



IDAHO OIL AND GAS CONSERVATION COMMISSION

SUNDRY NOTICE

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jthum , 12/23/2022, 4:34:19 PM



NAME OF OPERATOR: SNAKE RIVER OIL AND GAS Date: December 15, 2022
Address: 117 East Calhoun St., P.O. Box 500
City: Magnolia State: AR Zip Code: 71753 Telephone: 870 234 3050
Contact Name: Nathan Caldwell Email Address: caldwell.nathan@weiser-brown.com
(secondary) Clint Harman - 713-822-3167 - clint.harman.cons@outlook.com
Well Permit Number: 11-075-20027 Lease and Well Name (if different): KAUFMAN 1-9
USWN / API Number: 11-075-20027 Type of Well: Oil Well Gas Well X Other
Field and Reservoir (if wildcat, so state): WILLOW County: Payette
Well Surface Location: Section: 9 Township: 8N Range: 4W (or block and survey)
(give footage from Section lines): 1325 FEL & 190 FNL of Section 9
Latitude/Longitude (Dec Degrees): N 44 03' 11.93667" / W,116 48' 58.9788 Datum: WGS84 NAD83 NAD27 X
Type of Submission: Notice of Intent Subsequent Report X Final Abandonment Notice
Type of Action: Acidize Alter Casing Casing Repair Change Plans Convert to Injection
Deepen New Construction Hydraulic Fracturing Plug and Abandon Plug Back
Production (Start/Resume) Reclamation Recompletion Stimulation Test
Temporarily Abandon Water Disposal Water Shut-off Well Integrity Test X Other

Describe the proposed or completed operation, clearly stating all pertinent details including estimated starting date of the proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach a copy of the Bond under which the work will be performed or provide the Bond No. on file with IDL. Required subsequent reports shall be filed within thirty (30) days following completion of the involved operations. Final Abandonment Notices shall be filed only after operations, and only after all requirements, including reclamation have been completed and the operator has determined that the site is ready for final inspection.

Per E-mails on Monday, December 19, 2022. Between Clinton Harman (SROG consultant) and James Thum (IDL), Snake River is providing results of Mechanical Integrity Test performed Friday, Dec.16, 2022 On the Kauffman 1-9 UT & LT dual completion.

The Annulus tested was the 7" production casing with the dual 2-3/8" production tubing strings inside.

Attached are the following:

Most recent available completion wellbore diagram.

The test pressures in tabular form.

The test pressure plotted vs time.

Submitted by Clint Harman, Consulting for Snake River Oil and Gas, Dec 23, 2002

Attach additional information as needed to support the application



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CERTIFICATE: I, the undersigned, state that I am the Operations Manager
of Snake River Oil and Gas (company) and that I am
authorized by said company to make this application and that this application was prepared under my supervision and direction
and that the facts stated herein are true, correct and complete to the best of my knowledge.

Signature: _____ Date: _____

//signed// Clinton Lee Harman for Nathan Caldwell 12/23/2022

This Sundry Notice shall be filed with the

Idaho Department of Lands
Division of Minerals, Public Trust, Oil & Gas
300 N. 6th Street, Suite 103
Boise, Idaho 83702

as per IDAPA 20.07.02 and Idaho Code § 47-3.

FOR IDL USE ONLY:

Approved by: _____ Approval Date: _____



**IDAHO OIL AND GAS CONSERVATION COMMISSION
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Guidelines and Timeframes for Sundry Notices

<u>Activity</u>	<u>Timeframe</u>	<u>Rule or Statute</u>
Notices – General	Written notice must be given to the Department for any intention to do work and must be approved before work is done.	IDAPA 20.07.02.030
Hydraulic Fracturing	Operator will notify the Department twelve (12) to twenty-four (24) hours in advance of the treatment.	IDAPA 20.07.02.211.03
Accidents and Fires	Operator will notify the Department within twenty-four (24) hours and submit a full report within fifteen (15) days.	IDAPA 20.07.02.211.03
Well Spud & Surface Casing	Operator will notify the Department in writing not less than seventy-two (72) hours in advance of planned spud activity for surface casing.	IDAPA 20.07.02.310.05(a)
Cementing Surface Casing	Operator will notify the Department in writing not less than twenty-for (24) hours in advance of planned cementing activity for surface casing.	IDAPA 20.07.02.310.05(e)
Cementing Intermediate Casing	Operator will notify the Department in writing not less than twenty-for (24) hours in advance of planned cementing activity for intermediate casing.	IDAPA 20.07.02.310.07(d)
Cementing Production Casing	Operator will notify the Department in writing not less than twenty-for (24) hours in advance of planned cementing activity for production casing.	IDAPA 20.07.02.310.08(b)
Mechanical Integrity Testing	Operator will notify the Department in writing not less than ten (10) days in advance of the scheduled date on which the test will be performed.	IDAPA 20.07.02.320.03



Logging Report

Calibrator Information

Model: ADT681
 Serial Number: 211H215A0020
 Span: (0 ~ 5000) psi
 Version: DPGMV03.08
 Manufacture Date: 2021-08-16
 Data Logging: Available

Calibration Results

Date	Time	Elapsed Minutes	Pressure	Unit	Temperature(°C)	Interval(s)
12/16/2022	11:32:43	0	0	psi	57.4	60
12/16/2022	11:33:43	1	448.8	psi	56.7	60
12/16/2022	11:34:43	2	324.6	psi	55.8	60
12/16/2022	11:35:43	3	31.8	psi	54.7	60
12/16/2022	11:36:43	4	293.6	psi	53.4	60
12/16/2022	11:37:43	5	314.4	psi	52.3	60
12/16/2022	11:38:43	6	307.9	psi	51.1	60
12/16/2022	11:39:43	7	302	psi	50.0	60
12/16/2022	11:40:43	8	296.2	psi	48.9	60
12/16/2022	11:41:43	9	290.5	psi	47.8	60
12/16/2022	11:42:43	10	284.9	psi	46.8	60
12/16/2022	11:43:43	11	279.4	psi	45.9	60
12/16/2022	11:44:43	12	7.9	psi	45.1	60
12/16/2022	11:45:43	13	-0.3	psi	44.4	60
12/16/2022	11:46:43	14	6.1	psi	43.7	60
12/16/2022	11:47:43	15	344.8	psi	43.0	60
12/16/2022	11:48:43	16	320.2	psi	42.3	60
12/16/2022	11:49:43	17	307.7	psi	41.5	60
12/16/2022	11:50:43	18	297	psi	40.8	60
12/16/2022	11:51:43	19	286.6	psi	40.1	60
12/16/2022	11:52:43	20	0.8	psi	39.6	60
12/16/2022	11:53:43	21	1	psi	39.0	60
12/16/2022	11:54:43	22	0.5	psi	38.5	60
12/16/2022	11:55:43	23	-0.1	psi	38.1	60
12/16/2022	11:56:43	24	-0.2	psi	37.6	60
12/16/2022	11:57:43	25	-0.3	psi	37.2	60
12/16/2022	11:58:43	26	-0.4	psi	36.9	60
12/16/2022	11:59:43	27	-0.6	psi	36.7	60
12/16/2022	12:00:43	28	-0.8	psi	36.3	60
12/16/2022	12:01:43	29	107.7	psi	36.1	60
12/16/2022	12:02:43	30	333.7	psi	35.8	60
12/16/2022	12:03:43	31	313	psi	35.6	60
12/16/2022	12:04:43	32	298.7	psi	35.4	60
12/16/2022	12:05:43	33	286.6	psi	35.2	60
12/16/2022	12:06:43	34	275.4	psi	34.9	60
12/16/2022	12:07:43	35	264.8	psi	34.9	60
12/16/2022	12:08:43	36	254.5	psi	34.5	60
12/16/2022	12:09:43	37	244.6	psi	34.3	60
12/16/2022	12:10:43	38	235.1	psi	34.2	60
12/16/2022	12:11:43	39	225.8	psi	34.0	60
12/16/2022	12:12:43	40	216.7	psi	33.6	60
12/16/2022	12:13:43	41	191	psi	33.6	60
12/16/2022	12:14:43	42	1.4	psi	33.3	60
12/16/2022	12:15:43	43	355.9	psi	33.1	60
12/16/2022	12:16:43	44	340.6	psi	32.9	60
12/16/2022	12:17:43	45	326.7	psi	32.7	60
12/16/2022	12:18:43	46	392.5	psi	32.7	60
12/16/2022	12:19:43	47	402.7	psi	32.5	60
12/16/2022	12:20:43	48	388.2	psi	32.5	60
12/16/2022	12:21:43	49	373.5	psi	32.5	60
12/16/2022	12:22:43	50	409	psi	32.5	60
12/16/2022	12:23:43	51	387.2	psi	32.4	60
12/16/2022	12:24:43	52	373.1	psi	32.4	60
12/16/2022	12:25:43	53	360	psi	32.4	60
12/16/2022	12:26:43	54	451.4	psi	32.2	60
12/16/2022	12:27:43	55	427	psi	32.2	60
12/16/2022	12:28:43	56	410.9	psi	32.2	60
12/16/2022	12:29:43	57	395.4	psi	32.0	60

12/16/2022	12:30:43	58	380.3	psi	32.0	60	
12/16/2022	12:31:43	59	365.7	psi	32.0	60	
12/16/2022	12:32:43	60	353	psi	33.4	60	
12/16/2022	12:33:43	61	339.9	psi	36.7	60	
12/16/2022	12:34:43	62	326.3	psi	40.3	60	
12/16/2022	12:35:43	63	312.9	psi	43.9	60	
12/16/2022	12:36:43	64	431.3	psi	46.9	60	
12/16/2022	12:37:43	65	428	psi	49.5	60	
12/16/2022	12:38:43	66	412.8	psi	53.4	60	
12/16/2022	12:39:43	67	396.9	psi	60.3	60	
12/16/2022	12:40:43	68	381.2	psi	68.5	60	
12/16/2022	12:41:43	69	366.6	psi	76.8	60	
12/16/2022	12:42:43	70	352	psi	81.9	60	
12/16/2022	12:43:43	71	337.9	psi	84.2	60	
12/16/2022	12:44:43	72	324.2	psi	84.7	60	
12/16/2022	12:45:43	73	310.7	psi	86.0	60	
12/16/2022	12:46:43	74	297.9	psi	88.5	60	
12/16/2022	12:47:43	75	3.7	psi	89.4	60	
12/16/2022	12:48:43	76	360.7	psi	88.9	60	
12/16/2022	12:49:43	77	349.2	psi	86.9	60	
12/16/2022	12:50:43	78	333.4	psi	84.4	60	
12/16/2022	12:51:43	79	318.2	psi	81.5	60	
12/16/2022	12:52:43	80	303.6	psi	78.6	60	
12/16/2022	12:53:43	81	289.4	psi	76.6	60	
12/16/2022	12:54:43	82	156.5	psi	75.4	60	
12/16/2022	12:55:43	83	50.1	psi	74.3	60	
12/16/2022	12:56:43	84	366	psi	72.7	60	
12/16/2022	12:57:43	85	335.7	psi	70.9	60	
12/16/2022	12:58:43	86	330.5	psi	68.9	60	
12/16/2022	12:59:43	87	324.9	psi	66.7	60	
12/16/2022	13:00:43	88	318.8	psi	64.9	60	
12/16/2022	13:01:43	89	314	psi	63.1	60	
12/16/2022	13:02:43	90	309.5	psi	61.7	60	
12/16/2022	13:03:43	91	305.4	psi	60.3	60	
12/16/2022	13:04:43	92	320.3	psi	58.8	60	
12/16/2022	13:05:43	93	399.9	psi	57.4	60	
12/16/2022	13:06:43	94	278.4	psi	56.3	60	
12/16/2022	13:07:43	95	312.9	psi	55.4	60	
12/16/2022	13:08:43	96	349.6	psi	55.0	60	
12/16/2022	13:09:43	97	359	psi	55.2	60	
12/16/2022	13:10:43	98	372.9	psi	55.4	60	Start of 30-minute test interval
12/16/2022	13:11:43	99	372.5	psi	55.6	60	
12/16/2022	13:12:43	100	371.6	psi	55.2	60	
12/16/2022	13:13:43	101	371.2	psi	54.7	60	
12/16/2022	13:14:43	102	369.4	psi	53.8	60	
12/16/2022	13:15:43	103	367.4	psi	52.9	60	
12/16/2022	13:16:43	104	367.3	psi	52.0	60	
12/16/2022	13:17:43	105	365.5	psi	51.1	60	
12/16/2022	13:18:43	106	365.2	psi	50.2	60	
12/16/2022	13:19:43	107	364.1	psi	50.0	60	
12/16/2022	13:20:43	108	364	psi	51.6	60	
12/16/2022	13:21:43	109	364	psi	54.0	60	
12/16/2022	13:22:43	110	363.7	psi	56.5	60	
12/16/2022	13:23:43	111	363.7	psi	57.9	60	
12/16/2022	13:24:43	112	363.7	psi	58.5	60	
12/16/2022	13:25:43	113	363.6	psi	59.4	60	
12/16/2022	13:26:43	114	363.6	psi	60.6	60	
12/16/2022	13:27:43	115	363.5	psi	61.7	60	
12/16/2022	13:28:43	116	363.5	psi	63.9	60	
12/16/2022	13:29:43	117	363.5	psi	65.8	60	
12/16/2022	13:30:43	118	363.5	psi	67.5	60	
12/16/2022	13:31:43	119	363.4	psi	68.7	60	
12/16/2022	13:32:43	120	363.4	psi	69.3	60	
12/16/2022	13:33:43	121	363.3	psi	69.3	60	
12/16/2022	13:34:43	122	363.3	psi	69.4	60	
12/16/2022	13:35:43	123	363.3	psi	69.1	60	
12/16/2022	13:36:43	124	363.2	psi	68.2	60	
12/16/2022	13:37:43	125	363.2	psi	69.1	60	
12/16/2022	13:38:43	126	363.1	psi	69.8	60	
12/16/2022	13:39:43	127	363.1	psi	69.6	60	
12/16/2022	13:40:43	128	363	psi	69.8	60	End of 30-minute test interval
12/16/2022	13:41:43	129	3.4	psi	70.0	60	
12/16/2022	13:42:43	130	0.4	psi	69.4	60	
12/16/2022	13:43:43	131	0.4	psi	68.7	60	
12/16/2022	13:44:43	132	0.4	psi	67.8	60	

12/16/2022	13:45:43	133	0.4	psi	67.5	60
12/16/2022	13:46:43	134	0.3	psi	67.5	60
12/16/2022	13:47:43	135	0.3	psi	67.5	60
12/16/2022	13:48:43	136	0.3	psi	67.6	60
12/16/2022	13:49:43	137	0.3	psi	68.2	60
12/16/2022	13:50:43	138	0.3	psi	68.5	60
12/16/2022	13:51:43	139	0.3	psi	69.1	60
12/16/2022	13:52:43	140	0.3	psi	69.6	60

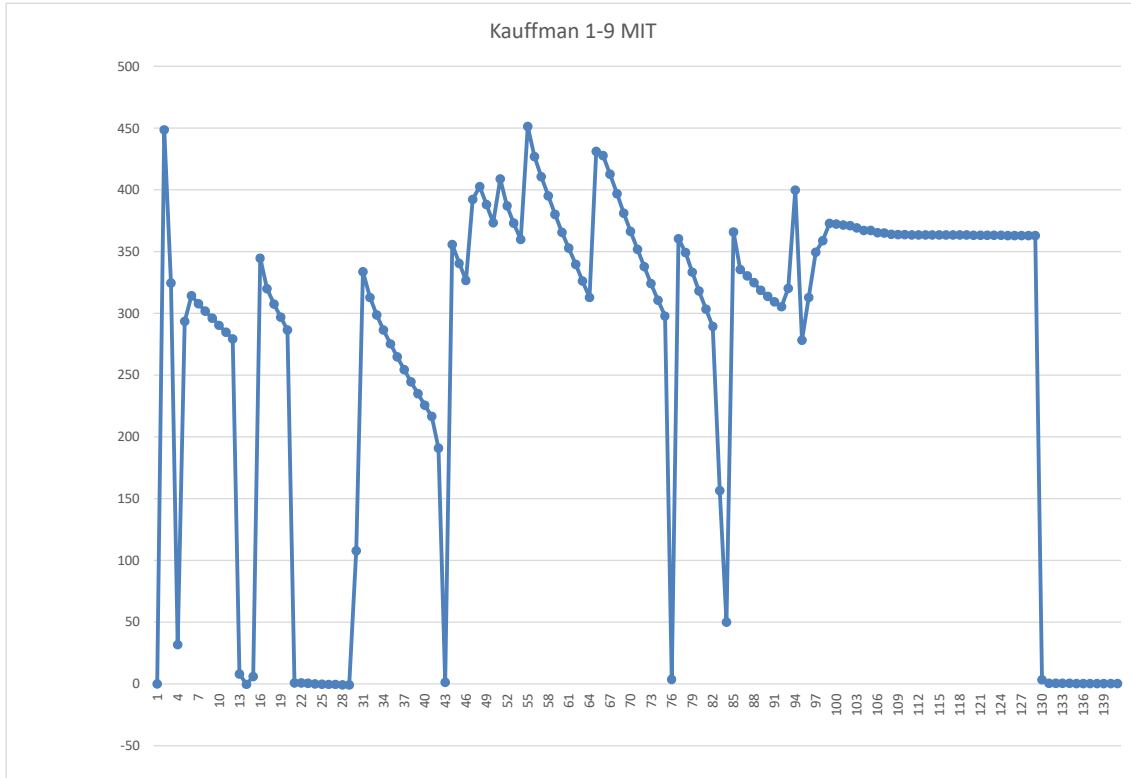
Beginning pressure 372.9 psi at 13:10:43, 12/16/2022

Ending pressure 363.0 psi at 13:40:43, 12/16/2022

372.9 - 363.0 = 9.9 psi over 30 minutes

9.9 / 372.9 = .0265 or 2.65% pressure drop over 30 minutes

Normal allowable \leq 10% pressure drop over 30 minutes per IOGCC guidelines



**SNAKE RIVER O&G
Kauffman #1-9
Payette Co., Idaho**

GL: 2,606'

Original RKB: 14' above ground level

All depths reference RKB unless otherwise noted.

Conductor

13-3/8" 54.5 ppf K-55 LTC @ 134'

Redimix cement

Surface Casing

9-5/8" 40 ppf K-55 LTC @ 1,126'MD

Hole Size: 12-1/4"

Lead: 134 sxs (90 bbbls) cement 3.65 yld 10.4 ppg

Tail: 70 sxs (17 bbbls) cmt 1.36 yld 14.8 ppg

Top Job: 70 sxs (15 bbbls) cmt 1.15 yld 15.8 ppg

Top Job 2: 50 sxs (14 bbbls) cmt 1.82 yld 13.2 ppg

Cemented to surface

MW 8.8 ppg WBM

FIT = 10 ppg EMW

LONG TUBING STRING DETAILS:

Landed packer's in 8K compression

15.68' LS 2 3/8 eue pin x 2 3/8 cs pin, 1.68'

46.90 LS 1 joint 2 3/8" cs, 31.22'

54.95' LS 2 3/8 cs pup joint, 8.05'

4000' x 3/8" SS capacity string installed on UT 4/3/18 (paraffin inhibition)

15.49' tubing hanger w/ 2 3/8 pin x 2 3/8 pin sub, 1.49'
17.57' SS 2 3/8 eue x 2 3/8 cs sub, 2.08

48.87' SS 1 2 3/8 cs joint, 31.30'
52.41 SS 2 pup joints 2' + 2', 3.54'

(top job - 9 cubic yard cement - EBOC @ 1534')

TOC from CBL interpretation = approx 3200'

sqz perf 9/21/16: 12 B cmt into perms, circ out 2 B cmt, left 7.5 B cmt in csg. 4440-56' (Orig perms shot 9/6/14)

4464.23' LS 141 joints 2 3/8" cs, 4409.28'

4465.07 LS 2 3/8 cs box x 2 3/8 eue pin, .84'

4460.64' SS 141 joints 2 3/8 cs, 4408.23'

4466.70' SS 2 3/8 cs pup joint, 6.06'

4467.55' SS 2 3/8 cs x 2 3/8 eue, .85'

SS in landed in 6K compression

4469.20' LS 2 3/8 eue x 2 3/8 nue pup, 4.13'

4468.87' SS J-Latch, 1.32'

4475.45' LS 7" Hydro 2 dual bore pkr, 6.25'

4476.38' SS 7" Hydro 2 dual bore pkr, 7.51' (9-25-16)

4477.52 2 3/8 eue box x 2 3/8 cs pin, 2.07'

4477.79' SS 2 3/8 x 1.87 "XN" profile, 1.41'

4508.82' 1 jt 2 3/8 cs, 31.30'

4512.61' LS 2 3/8 cs pup joint, 3.79'

4513.46' LS 2 3/8 cs box x 2 3/8 eue pin, .85'

4513.96' LS 2 3/8 eue box x 2 7/8 eue pin, .50'

4515-25' ELM Perf w/6 JSPF x 60 deg ph (9-25-16)

4533.95' LS 2 7/8 Blast joint, 19.99'

4535.78' LS 7" T-2 on-off tool w/ 2.31 "X" seal nipple, 1.83'

4543.43' LS WL set Arrowset pkr, 7.65'

Set @ 4530' according to WLM (9-25-16)

4543.93' 2 7/8 box x 2 3/8 pin, .50'

ELM Perf w/6 JSPF x 60 deg ph (9-25-16)

4546.03' LS 2 3/8 N-80 Pup joint, 2.10'

4547.26' LS 2 3/8 XN nipple/ 1.87 profile, 1.23'

4548.56' LS 2 3/8 Magnum dual disk, 1.30'

4549.06' LS WL Re-entry guide, .50'

EOT @ 4549'

4557' cmt retainer 9-24-16

4560-66' Perf 4 JSPF, 90 deg, 0.38" hole 9/22/2014, at 24/64" ck; Well began flowing to tank.

4569' CIBP

4572-76' Perf 4 JSPF, 90 deg, 0.38" hole 9/20/2014, tested wet

Production Casing

7" 26ppf J-55 BTC @ 5,010

Hole Size: 8-3/4"

Lead: 367 sxs (119 bbbls) cmt 1.82 yld 12.7 ppg

Tail: 311 sxs (64bbbls) cmt 1.16 yld 16 ppg

MW @ TD 9.8 ppg OBM

Did not cement to surface, pumped top job w /9 cu yds neat

4846' PBTD

4917' Float Collar

2 casing jts

5010' Float Shoe

5,060 - 5,400' Cement plug 8/21/2014

WBM

Total Depth: 5,687' TVD/ 5,755'MD

Well Name & No.: Kaufman 1-9	Field: Willow
County or Parish: Payette	State: Idaho
Total Depth (MD): 5,755'	(TVD): 5,687'
Date Completed: 8/25/2014	Latest Revision Date: 10/19/2016 (condensed CLH 12/23/2022)



DAILY COMPLETIONS REPORT

DATE	Friday, December 16, 2022				REPORT #	1	Days on completion	1			
WELL NAME / NUMBER	KAUFFMAN 1-9				RIG	Mountain West Rig 3					
FIELD	WILDCAT				RIG PHONE	713-822-3167					
LEASE	KAUFFMAN 1-9				SUPERVISOR	CLINT HARMAN					
COUNTY	PAYETTE				WELL ENGINEER	CLINT HARMAN					
STATE	IDAHO				API #	11-075-20027					
TD	5755	MD	5687	TVD	START COMPLETION	Prev cum	\$	-			
CASING DEPTH	5010	MD		TVD	AFE #	Daily	\$				
PBTD	4846	MD		TVD							
ELEVATION	2191.0	KBE	2203.5	KB	12.5	KB to THF	11.0	Total \$			
24 HR FORECAST	Perform MIT on Kauffman 1-9 with Mtn West rig pump.										
DAILY WORK SUMMARY											
TIME LOG											
FROM	TO	HRS	OPERATIONS								
7:30	11:30	4.0	Move Rig pump, Indirect heater & HTI tanker with 140 bbl 4% KCL from Irvin 1-19 to Kauffman 1-9 pump to tanker. Vent gas from annulus. Fill annulus with +/- 80 bbl 4%KCL. Install digital gauge.								
11:30	14:00	2.5	Make 4 attempts to pressure annulus. Vent trapped gas 4 times. Achieve Mechanical integrity test at 13:10 pressured to 372 psi. Monitored pressure 30 minutes ath 13:40 pressure was 363 psi. Total drop 9 psi or 1.7% of final pressure								
14:00	17:30	3.5	Download digital guage. Rig down pump and tanker. Return equipment to Irvin 1-19 location.								
Total Hours		10.0									
LAST BOP TEST	12/10/2022				COMPLETION FLUID	4% KCL/CACL					
SAFETY MEETING TOPIC											
ACCIDENT SUM REPORT	AC										
WELLHEAD DESCRIPTION											
SECTION	SIZE	PRESSURE RATING		DESCRIPTION							
A SECTION	11"	3 M PSI		11" 3M by 9-5/8" SOW							
B SECTION	7-1/16"	5 M PSI		7-1/16" 5M by 11" 3M							
TREE	2-1/16"	5 M PSI		Dual 2-1/16 5M x 7-1/16" 5M							
PERFORATIONS											
INTERVAL	DEPTHS	GUN	SPF/PHSG	INTERVAL	DEPTHS	GUN	SPF/PHSG				
	4546-52	3.13	6JSPF/60d								
	4515-25	3.13	6JSPF/60d								
TUBING											
Type	OD	ID	Drift ID	Weight	Grade	Btm Pipe MD	Length	Remarks			
PROD TUBING	2.375	1.995	1.87	4.7	L80	4549		LOWER CS HYD			
PROD TUBING	2.375	1.995	1.87	4.7	L80	4478		UPPER CS HYD			
CASING											
Type	OD	ID	Drift ID	Weight	Grade	Btm Pipe MD	Length	Remarks			
PRODUCTION CASING	7	6.276	6.125	26	J-55	5010		SET 645' OFF BOTTOM			
Bit Data											
No	Size	Type	Ser. #	Jets	In	Out	Ftg.	Hrs.	Grading	Wt.	Rpm
Fluid Data											
COMPANY	Engr	NONE	Mud Type	4%KCL	Wt	8.5	ppg	Vis	sec		
WORKSTRING & BHA											
DP	in	#	Gr	Ftg							
BHA Description											
P/U wt	S/O wt	Rot wt	Torq	Hrs	Length						
Pump Data											
#1	Lnr	SL	bps	spm	%Eff	95%	psi	GPM			
#2	Lnr	SL	bps	spm	%Eff	95%	psi	GPM			
BOP Description											
Onboard	Fuel	Water	Barite	Gel	Cement						
Personnel	Operator	1	Rig	Service	Other	Total	1				
Disposal	Mud last 24	bbl	Tot Mud	bbl	Cuttings last 24	yds	Tot Cuttings	yds			
Daily Well Costs	\$		Total Costs to Date	\$		AFE Amount					

SNAKE RIVER OIL AND GAS COST SHEET

Date: 12/16/2022

AFE No. _____
Well No. KAUFFMAN 1-9

Report No. 1

OCSG: _____

Block: _____

SUB ACCT	WELL COSTS	DRILL	COMPLETE	COMPLETE	TOTAL COST
			OR P&A	TOTAL ONLY	TO DATE
		\$ -	\$ -	\$ -	\$ -
	Damage Waiver and Right of Wa	\$ -	\$ -	\$ -	\$ -
	Access, Roads, and Location	\$ -	\$ -	\$ -	\$ -
	Surveyor	\$ -	\$ -	\$ -	\$ -
	Cutting Disposal	\$ -	\$ -	\$ -	\$ -
	Accommodations	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -
	RIG MOB/DEMOB	\$ -	\$ -	\$ -	\$ -
	Other Equipment	\$ -	\$ -	\$ -	\$ -
	Cranes	\$ -	\$ -	\$ -	\$ -
	MD Totco	\$ -	\$ -	\$ -	\$ -
	Drilling Costs-Daywork Mountain West Workover Rig 3	\$ -	\$ -	\$ -	\$ -
	Drilling/Setting Conductor	\$ -	\$ -	\$ -	\$ -
	Communications HB rental	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -
	Mud and Chemicals	\$ -	\$ -	\$ -	\$ -
	Fuel and lube	\$ -	\$ -	\$ -	\$ -
	Cement and Cementing Services	\$ -	\$ -	\$ -	\$ -
	Cementing Accessories	\$ -	\$ -	\$ -	\$ -
	Bits	\$ -	\$ -	\$ -	\$ -
	Misc./ Equip	\$ -	\$ -	\$ -	\$ -
	Generators: 150KW/6400/mo Light tower monthly fuel 270	\$ -	\$ -	\$ -	\$ -
	Transportation HTI truck & labor	\$ -	\$ -	\$ -	\$ -
	Directional	\$ -	\$ -	\$ -	\$ -
	Casing Crews	\$ -	\$ -	\$ -	\$ -
	Open Hole Logging	\$ -	\$ -	\$ -	\$ -
	Mudlogging	\$ -	\$ -	\$ -	\$ -
	Solids Control not used	\$ -	\$ -	\$ -	\$ -
	Rental Tools	\$ -	\$ -	\$ -	\$ -
	Plug and Abandon Costs	\$ -	\$ -	\$ -	\$ -
	Frac Tanks & Water Hauloff HTI frac tanks	\$ -	\$ -	\$ -	\$ -
	Fishing	\$ -	\$ -	\$ -	\$ -
	Miscellaneous/ Supply	\$ -	\$ -	\$ -	\$ -
	Dvtr, G-Buster, Flare, Choke, lines	\$ -	\$ -	\$ -	\$ -
	Drlg Supervisor & Compl. Engrn Harman 2000	\$ -	\$ -	\$ -	\$ -
	Geological and Engineering	\$ -	\$ -	\$ -	\$ -
	Wellhead service Vault PCS	\$ -	\$ -	\$ -	\$ -
	Roustabout Labor and Welding Guard	\$ -	\$ -	\$ -	\$ -
	Insurance	\$ -	\$ -	\$ -	\$ -
	Restoration and Clean Up	\$ -	\$ -	\$ -	\$ -
	Conn. Fees, Other Misc IDC Sunrise Portalet 275/mo weekly service	\$ -	\$ -	\$ -	\$ -
	Administration Overhead	\$ -	\$ -	\$ -	\$ -
	Legal Fees and Title	\$ -	\$ -	\$ -	\$ -
	Intangible Total	\$ -	\$ -	\$ -	\$ -
SUB ACCT	TANGIBLE WELL COSTS	DRILL	COMPLETE OR P&A	COMPLETE TOTAL ONLY	TOTAL COST TO DATE
		\$ -	\$ -	\$ -	\$ -
	Casing-Surface-9 5/8 FOB ft @ /ft	\$ -	\$ -	\$ -	\$ -
	Casing-Production-5.5 FOB ft @ /ft	\$ -	\$ -	\$ -	\$ -
	Float Equipment	\$ -	\$ -	\$ -	\$ -
	Centralizers, thread lock, Stop rings integral casing packer	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -
	Wellhead and Connection	\$ -	\$ -	\$ -	\$ -
	Fencing and Cattleguard w/gate	\$ -	\$ -	\$ -	\$ -
	Tubing ft @	\$ -	\$ -	\$ -	\$ -
	Packers & jewelry	\$ -	\$ -	\$ -	\$ -
	Total	\$ -	\$ -	\$ -	\$ -
	Totals	\$ -	\$ -	\$ -	\$ -