State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO.
Zia AGI #1 30-025-42208
Zia AGI D#2 30-025-42207

5. Indicate Type of Lease BLM
STATE ☐ FEE ☐

6. State Oil & Gas Lease No.
NMLC065863

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
Zia AGI

1. Type of Well: Oil Well ☐ Gas Well ☐ Other: Acid Gas Injection Well ☒

8. Well Number #1 and D #2

2. Name of Operator
DCP Operating Company, LP

9. OGRID Number
36785

3. Address of Operator
6900 E. Layton Ave, Suite 900, Denver, CO 80237

10. Pool name or Wildcat
#1 AGI: Cherry Canyon/Brushy Canyon
D #2 AGI: Devonian/Fusselman/Montoya

4. Well Location Surface
Zia AGI#1 Unit Letter L : 2,100 feet from the SOUTH line and 950 feet from the WEST line
Zia AGI D#2 Unit Letter L : 1893 feet from the SOUTH line and 950 feet from the WEST line
Section 19 Township 19S Range 32E NMPM County Lea

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3,550 (GR)

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			OTHER: Annual Injection Data Summary	☒		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion. **Wellbore Diagrams attached.**

Zia AGI #1 MAOP 2,233 psig NMOCC Order R-13809 / Zia AGI D #2 MAOP 5,208 psig NMOCC Order R-14207

Annual Report for the period from January 1 through December 31, 2023 Pursuant to NMOCC Orders R-13809 and R-14207 for Zia AGI #1 and AGI D #2, respectively.

This report includes the summary of quarterly injection data and analysis of surface injection pressure, TAG temperature, casing annular pressure as well as downhole injection pressure, temperature, and annular pressure for the Zia AGI #1 and for the Zia AGI D #2 for 2016 through 2023. While this is an annual summary, the cumulative values are included in order to provide a historical overview of the entire time frame of use. AGI D #2 continues to be the primary well for this facility with the Zia AGI #1 to be used only as a redundant and backup well. Based on data for surface injection, annular pressure, and successful MITs, both wells continue to show excellent integrity. Despite operational differences including a significant increase in average injection rate, the average surface temperature and bottom hole temperature for AGI D #2 in 2023 remained the same as 2022 averages. The annual summary of injection data is included herein, and all the values presented below are averages for the static conditions in the AGI #1 since the well has not been in operation since 2/7/2017 and only AGI D #2 operated for most of 2017 and exclusively since that time. AGI #1 serves only as a redundant well in the event of a problem that requires intervention in AGI D #2.

AGI #1 Surface Measurements for Entire Period (inactive since Q1 2017):
Average TAG Line Pressure: 444 psig, Average Annular Pressure: 164 psig, Average Pressure Differential: 281 psig, Average TAG Line Temperature: 83 °F, Average TAG injection rate: 0.42 MMSCFD for entire period (not used since 2017).

AGI #1 Downhole Measurements for Entire Period (inactive since Q1 2017):
Average bottom hole pressure: 3,420 psig, Average annular bottom hole pressure: 2,236 psig, Average bottom hole TAG Temperature: 98 °F.

AGI D #2 Surface Measurements for Entire Period:
Average TAG Injection Pressure: 1,690 psig, Average Annular Pressure: 284 psig, Average Pressure Differential: 1,406 psig, Average Tag Temperature: 114 °F, Average TAG injection rate: 5.17 MMSCFD (AGI D #2 used exclusively in 2022).

AGI D #2 Downhole Measurements for Entire Period:
Average bottom hole pressure: 6,284 psig, Average bottom hole TAG Temperature: 167 °F.

The data gathered through the fourth quarter of normal operations in 2023 demonstrate the correlative behavior of the annular pressure with the flowrate, injection pressure and temperature and confirm that both wells have good integrity, are functioning appropriately, and within the requirements of their respective NMOCC orders. Well AGI D #2 displays excellent reservoir characteristics, easily accommodating the required volumes of TAG from the facility. This well will continue to be used as the primary disposal well for the facility with the AGI #1 well being operated as needed to confirm functionality and to allow for any required future maintenance on the AGI D #2 well.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE _____ TITLE Consultant to DCP Midstream LP DATE 1/29/2024

Type or print name: Alberto A Gutiérrez, RG E-mail address: aag@geolex.com PHONE: 505-842-8000

For State Use Only
APPROVED BY:_____ TITLE_____ DATE_____
Conditions of Approval (if any):

ANALYSIS OF ANNUAL TRENDS AND REQUEST TO CONTINUE WITH APPROVED IMMEDIATE NOTIFICATION PARAMETERS FOR OPERATION OF ZIA AGI #1 AND ZIA AGI D #2 (API #s 30-025-42208 AND 30-025-42207) UNDER R-13809 and R-14207

This document presents the results from the analyses of the injection parameter data collected from the Zia AGI #1 and D #2 wells that serve the Zia Ranch Gas Processing Facility in Lea County, NM. Data from the Zia AGI #1 have been collected since its initial operation in 2015 through the time when the well was placed on backup/standby status after the commissioning of the Zia AGI D #2 on February 7, 2017. Similarly, for AGI D #2, data have been continuously collected and have been analyzed by Geolex and transmitted to DCP for reporting to NMOCD on a quarterly basis as per the two NMOCC orders referenced above. The AGI D #2 well was completed in the Devonian through the Montoya section as a vertical well approximately 250 feet southwest of the AGI #1, which was completed in the Cherry Canyon and Brushy Canyon units of the Delaware Mountain Group. From the time that the AGI D #2 was brought online, injection has been solely into AGI D #2 with AGI #1 now maintained in standby status as a backup well for the facility should circumstances require some interruption of flow to the AGI D #2 for maintenance or repairs.

This operational mode (utilizing only AGI D #2) will continue indefinitely with AGI #1 being used only as a backup standby well. In order to continue to record reservoir data in AGI #1 we review and monitor bottom hole data in the well which is unaffected by its standby status. Bottom hole sensors for AGI D #2 provide data on reservoir conditions in the deeper Devonian reservoir and both downhole sensors are providing reliable data on both reservoirs. In addition, surface data from both wells is being collected. The following surface and bottom hole parameters are monitored:

- Treated Acid Gas (TAG) surface injection pressure
- TAG injection temperature
- Annular pressure
- Bottom hole pressure and temperature
- TAG flow rate from compressors to each well independently

The above are the key parameters which are currently being measured to monitor the operations of the wells, prevent hydrate formation, and reduce corrosion potential. Since these parameters are useful indicators and predictors of potential operational or mechanical problems in the well, various levels of alarms have been established for each of these parameters. The surface parameters include three that are measured directly (TAG injection pressure, TAG injection temperature and annular pressure) and one (differential pressure) which is a calculated value (the difference between the two measured parameters of injection and annular pressure). The analyses of the long-term trends in these values have been useful in smoothing out shorter-term variations, which can be observed from detailed inspection of hourly data, and in the development of appropriate alarm bands for each parameter. These data are included as Table 1.

Both wells at Zia are equipped with bottom hole (at top of packer) pressure and temperature measurement capability inside the tubing. The monitoring of these additional parameters will also aid significantly in determining the appropriate immediate notification parameters which are required by the NMOCC order for AGI D #2. The immediate notification parameters for both wells were developed from this long-term analysis of the injection data.

The NMOCD also requires that immediate notification parameters and levels be discussed and agreed upon with the agency, and that these be periodically reviewed and updated as needed based on operational or regulatory changes. The immediate notification parameters for both wells have been approved by NMOCD and DCP requests no changes in these approved values. With this requirement in mind, and for the purpose of protecting the mechanical integrity and safety of both wells and the overall AGI facility, Geolex monitors these data under contract to DCP to prevent damage to the wells or violation of regulatory requirements or permit constraints.

After seven years of carefully analyzing the performance of AGI #1 and AGI D #2 on a continuous basis, Geolex has assembled the data and has analyzed observed trends for the 2016 through 2023 timeframe as can be seen in Figures 1 – 5.

Given the observations of the trends in the graphs and the significantly different behavior of both wells, the wells continue to demonstrate good mechanical integrity. Minor fluctuations in the Zia AGI #1 surface data continue to demonstrate the correlative behavior of the annual pressure with flowrate, injection pressure, and temperature (Figure 1). Downhole pressure in the Zia AGI #1 reservoir has dropped slowly following cessation of injection (early 2017) and has stabilized as can be seen in Figure 3. AGI D #2 continues to exhibit a strong correlative relationship of annular pressure with injection pressure, injection temperature, and flowrate confirming the integrity of the well. Additionally, over the operational lifetime of AGI D #2, the bottom hole pressure has only increased by about 8% (500 psig) while the injection rate has nearly doubled indicating continued adequate reservoir conditions for TAG injection.

Mechanical integrity tests were successfully completed for Zia AGI #1 and Zia AGI D #2 on February 13, 2023. Injection into AGI D #2 was shut down from June 13-14, 2023, for a scheduled plant turnaround for maintenance and, on October 6, 2023, 10-15 gallons of diesel were added to the annulus of AGI D #2. The average temperatures at the surface and downhole for 2023 were the same as the average temperatures reported for 2022 (118 °F and 167 °F, respectively). Both wells behaved appropriately during normal operations and recovered from interruptions with appropriate changes in injection pressure and annulus pressure. The trends observed in AGI D #2 are shown in Figures 2 and 4 and total flow rates are summarized on Figure 5 for the entire period.

Upon startup from any shutdown that lasts more than 6-8 hours it is critical to inject methanol along with the TAG for the initial startup period to prevent the formation of hydrates. It is also critical to maintain the temperature control on the injected TAG and to avoid rapid temperature or pressure fluctuations during periods when power failures or other mechanical failures may occur.

REVIEW OF STATISTICAL ANALYSIS OF INJECTION PARAMETERS, DEVELOPMENT OF AND REQUEST TO CONTINUE WITH APPROVED IMMEDIATE NOTIFICATION PARAMETERS FOR ZIA AGI #1 AND ZIA AGI D #2 (API #s 30-025-42208 AND 30-025-42207) UNDER R-13809 and R-14207

The statistical analyses of the injection parameter data were initially conducted for the purpose of establishing normal operating levels for these parameters which are automatically monitored. Several data filtering steps were accomplished to take the hourly data which forms the basis of the analysis in order to smooth out variability due to normal operations. Since the commissioning of the AGI D #2, only that well has been operated and this operating approach will continue with the AGI #1 serving as a redundant and backup well in the event that maintenance is required on the AGI D #2. The bottom hole pressure and temperature sensors in the two wells have provided excellent reservoir condition data for both wells.

All the data are summarized in Table 1. Based on the analysis of trends, the immediate notification parameters, which were approved for AGI D #2, and the parameters previously approved for AGI #1 and continued through 2023, remain appropriate to continue through 2024. DCP requests continuation of the previously approved immediate notification parameters detailed below:

The approved immediate notification parameters for Zia AGI #1 (which is inactive) are summarized below:

1. Exceedance of the approved MAOP of 2,233 psig surface for a period greater than two hours.
2. Failure of a mechanical integrity test (MIT) of the well.
3. Confirmation of any condition that indicates a tubing, packer or casing leak.
4. Any increase of the annular pressure to a value that is more than 80% of the injection pressure.
5. Any release of H_2S at the well which results in an activation of the facility's approved Rule 11 H_2S contingency plan.
6. Any workover or maintenance activity that requires intrusive work in the well.

The approved immediate notification parameters for the Zia AGI D #2 (which is the active well at the facility) are summarized below:

1. Exceedance of the approved MAOP of 5,028 psig surface for a period greater than two hours.
2. Failure of a mechanical integrity test (MIT) of the well.
3. Confirmation of any condition that indicates a tubing, packer or casing leak.
4. Any increase of the annular pressure to a value that is more than 80% of the injection pressure.
5. Any release of H_2S at the well which results in an activation of the facility's approved Rule 11 H_2S contingency plan.
6. Any workover or maintenance activity that requires intrusive work in the well.

TABLE 1. DCP MIDSTREAM ZIA AGI FACILITY CUMMULATIVE INJECTION DATA

				AGI #1 Flowrate (MSCFD)	AGI #1 Surface TAG Injection Temperature (°F)	AGI #1 Surface TAG Injection Pressure (psig)	AGI #1 Surface Casing Annulus Pressure (psig)	AGI #1 Surface Injection and Casing Annular Pressure Differential (psig)	AGI #1 Bottom Hole Annular Pressure (psig)	AGI #1 Bottom Hole Injection Pressure (psig)	AGI #1 Bottom Hole Injection Temperature (°F)	AGI D #2 Flowrate (MSCFD)	Total Flow Rate (MSCFD)	AGI D #2 Surface TAG Injection Temperature (°F)	AGI D #2 Surface TAG Injection Pressure (psig)	AGI D #2 Surface Casing Annulus Pressure (psig)	AGI D #2 Surface Injection and Casing Annular Pressure Differential (psig)	AGI D #2 Average Bottom Hole Pressure (psig)	AGI D #2 Average Bottom Hole Temperature (°F)	AGI #1 Flow Rate CO2 Sequestered (Metric Ton)	AGI D #2 Flow Rate CO2 Sequestered (Metric Ton)	Total Flow Rate CO2 Sequestered (Metric Ton)	Notes
																			CO2 (assumed 80:20 for 2016-2021)		0.8		
Q1 2016	January thru March 2017	3/30/2016	91	2260	88	1933	69	1864	2111	3321	84		2260							8537	0	8537	Only AGI #1 in use
Q2 2016	April thru June	6/30/2016	91	3670	93	2116	97	2019	2288	4145	102		3670							13864	0	13864	Only AGI #1 in use
Q3 2016	July thru September	9/30/2016	92	2100	94	2149	58	2091	2037	4170	101		2100							8020	0	8020	Only AGI #1 in use
Q4 2016	October thru December	12/30/2016	92	2830	91	2140	13	2127	1975	4181	99		2830							10808	0	10808	Only AGI #1 in use
Q1 2017	January thru March	3/30/2017	90	2520	91	2154	132	2022	1960	4025	98	2490	2502	99	1337	204	1132	6051	171	9415	9303	9349	AGI #1 used exclusively 1-1-17 to 2-7-17. AGI D#2 commissioned 2-7-17 and used exclusively from 2-7-17 onward
Q2 2017	April thru June	6/30/2017	91	0	77	1680	103	1577	1948	3714	98	4130	4130	102	1425	165	1260	6094	165	0	15601	15601	Only AGI D#2 in use
Q3 2017	July thru September	9/30/2017	92	0	80	1081	131	950	2196	3583	98	4120	4120	108	1495	153	1342	6095	166	0	15735	15735	Only AGI D#2 in use
Q4 2017	October thru December	12/30/2017	92	0	66	2	191	-189	2267	3481	98	3800	3800	104	1448	170	1278	6093	166	0	14512	14512	Only AGI D#2 in use
Q1 2018	January thru March	3/30/2018	90	0	65	834	135	699	2249	3402	98	4460	4460	104	1478	353	1126	6118	165	0	16663	16663	Only AGI D#2 in use
Q2 2018	April thru June	6/30/2018	91	0	80	10	90	-80	2261	3358	98	4230	4230	106	1495	474	1021	6119	166	0	15979	15979	Only AGI D#2 in use
Q3 2018	July thru September	9/30/2018	92	0	81	9	111	-102	2280	3305	98	4540	4540	106	1512	548	964	6136	165	0	17339	17339	Only AGI D#2 in use
Q4 2018	October thru December	12/30/2018	92	0	67	3	60	-57	2285	3274	98	5340	5340	104	1563	603	959	6173	165	0	20394	20394	Only AGI D#2 in use
Q1 2019	January thru March	3/30/2019	90	0	70	3	62	-59	2285	3274	98	7100	7100	103	1558	526	1032	6193	163	0	26526	26526	Only AGI D#2 in use
Q2 2019	April thru June	6/30/2019	91	0	87	6	57	-51	2285	3274	98	6290	6290	120	1755	445	1310	6193	168	0	23761	23761	Only AGI D#2 in use
Q3 2019	July thru September	9/30/2019	92	0	94	8	60	-52	2285	3274	98	4512	4512	119	1706	291	1415	6180	168	0	17232	17232	Only AGI D#2 in use
Q4 2019	October thru December	12/30/2019	92	0	77	5	43	-38	2285	3274	98	6820	6820	121	1805	519	1286	6275	169	0	26046	26046	Only AGI D#2 in use
Q1 2020	January thru March	3/30/2020	91	0	75	4	33	-29	2285	3274	98	5890	5890	121	1778	310	1468	6271	169	0	22250	22250	Only AGI D#2 in use
Q2 2020	April thru June	6/30/2020	91	0	89	7	24	-18	2285	3274	98	4280	4280	120	1721	122	1598	6238	168	0	16168	16168	Only AGI D#2 in use
Q3 2020	July thru September	9/30/2020	92	0	93	8	18	-10	2285	3274	98	5950	5950	117	1772	189	1583	6302	168	0	22723	22723	Only AGI D#2 in use
Q4 2020	October thru December	12/30/2020	92	0	79	4	16	-12	2285	3274	98	4810	4810	119	1725	100	1625	6282	167	0	18370	18370	Only AGI D#2 in use
Q1 2021	January thru March	3/30/2021	90	0	74	2	306	-304	2285	3274	98	5030	5030	119	1742	234	1508	6301	167	0	18792	18792	Only AGI D#2 in use
Q2 2021	April thru June	6/30/2021	91	0	87	4	311	-307	2285	3274	98	5370	5370	117	1743	243	1500	6336	166	0	20285	20285	Only AGI D#2 in use
Q3 2021	July thru September	9/30/2021	92	0	90	5	312	-307	2285	3274	98	4410	4410	116	1716	183	1533	6328	167	0	16842	16842	Only AGI D#2 in use
Q4 2021	October thru December	12/30/2021	92	0	82	4	304	-300	2285	3274	98	4430	4430	115	1710	149	1561	6345	166	0	16918	16918	Only AGI D#2 in use
Q1 2022	January thru March	3/30/2022	90	0	73	2	303	-297	2285	3274	98	5920	5920	119	1822	360	1514	6405	167	0	27055	27055	Only AGI D#2 in use
Q2 2022	April thru June	6/30/2022	91	0	91	5	315	-310	2285	3274	98	3810	3810	120	1751	122	1615	6379	168	0	17606	17606	Only AGI D#2 in use
Q3 2022	July thru September	9/30/2022	92	0	95	6	316	-310	2285	3274	98	3910	3910	119	1775	116	1614	6400	167	0	18267	18267	Only AGI D#2 in use
Q4 2022	October thru December	12/30/2022	92	0	82	4	304	-300	2285	3274	98	4430	4430	115	1710	149	1561	6345	166	0	20696	20696	Only AGI D#2 in use
Q1 2023	January thru March	3/31/2023	90	0	75	3	309	-306	2285	3274	98	7950	7950	123	2008	541	1468	6563	168	0	36597	36597	Only AGI D#2 in use
Q2 2023	April thru June	6/30/2023	91	0	95	7	319	-312	2285	3274	98	8030	8030	120	1989	324	1666	6591	167	0	37375	37375	Only AGI D#2 in use
Q3 2023	July thru September	9/30/2023	92	0	104	9	321	-312	2285	3274	98	6540	6540	115	1903	98	1805	6575	165	0	30743	30743	Only AGI D#2 in use
Q4 2023	October thru December	12/31/2023	92	0	80	4	313	-309	2285	3274	98	6210	6210	115	1891	262	1629	6581	164	0	29238	29238	Only AGI D#2 in use
Average for 2023				**0**	**85**	**4**	**310**	**-304**	**2285**	**3274**	**98**	**7183**	**5850**	**118**	**1765**	**187**	**1576**	**6382**	**167**	**0**	**20906**	**20906**	
Standard Deviation for 2023				**0**	**8**	**1**	**6**	**6**	**0**	**0**	**0**	**843**	**843**	**2**	**41**	**101**	**42**	**24**	**1**	**0**	**3732**	**3732**	
Average for Entire Period				**418**	**83**	**444**	**164**	**281**	**2236**	**3420**	**98**	**5172**	**4865**	**114**	**1690**	**284**	**1406**	**6284**	**167**	**1583**	**18407**	**19697**	
Standard Deviation Entire Period				**996**	**10**	**799**	**120**	**849**	**103**	**286**	**3**	**1307**	**1483**	**7**	**168**	**157**	**230**	**155**	**2**	**3770**	**9227**	**7068**	

Figure 1. ZIA AGI #1 Surface Injection Data

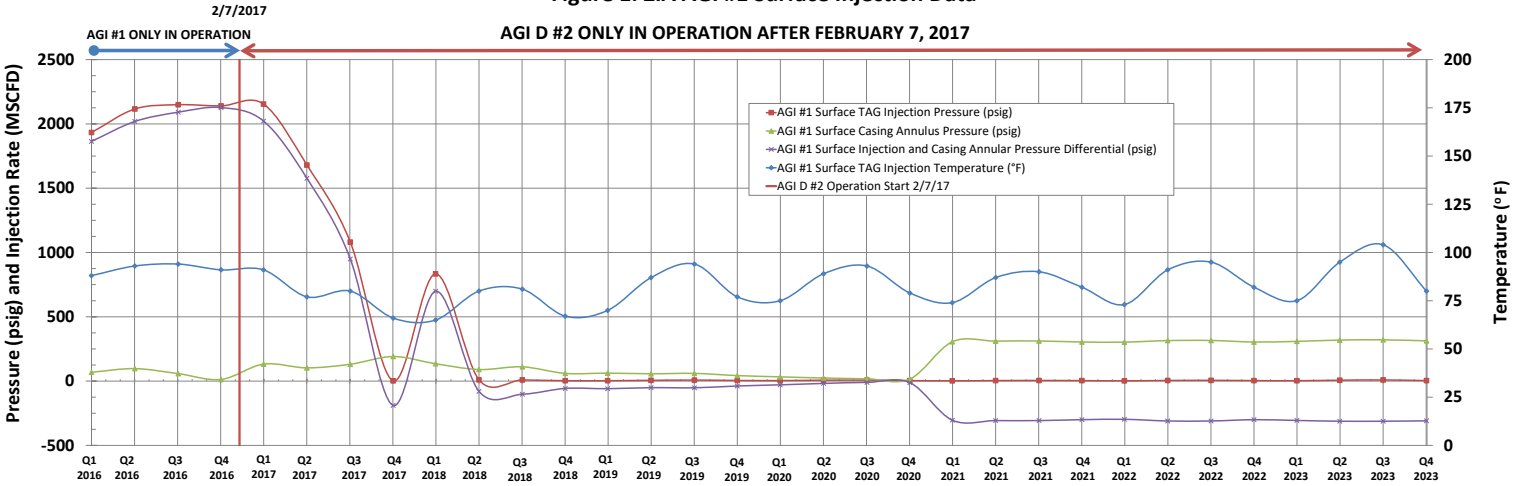
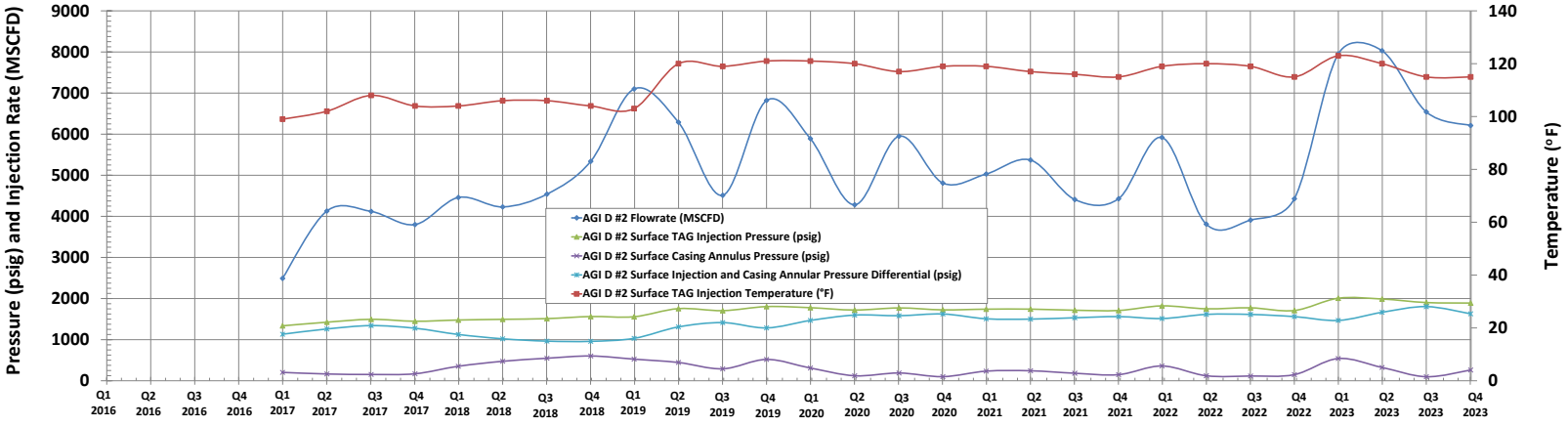
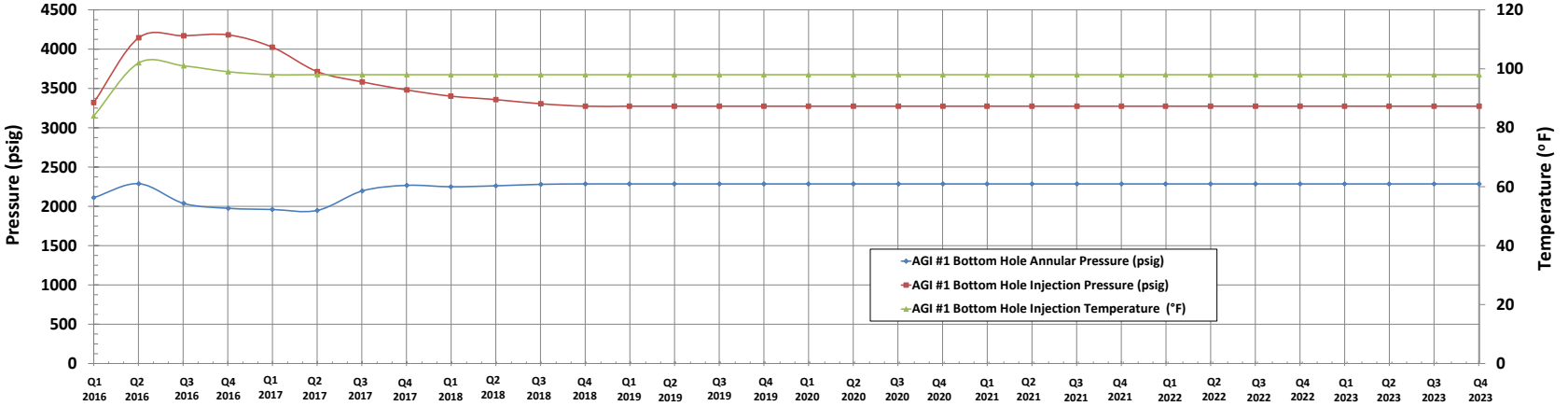


Figure 2. Zia AGI D #2 Surface Injection Data



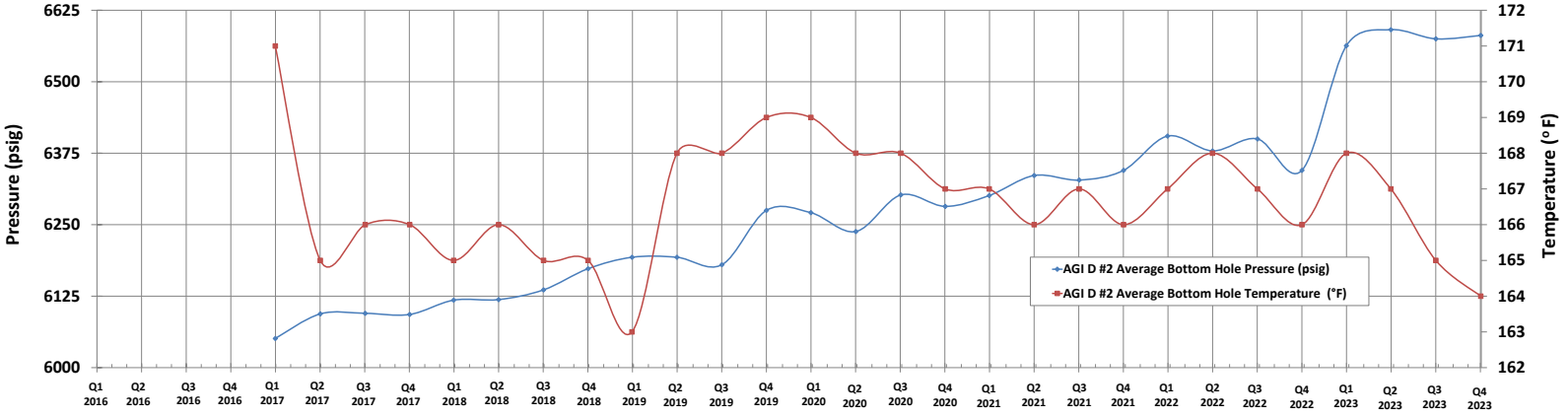
AGI D #2 WAS BROUGHT ONLINE ON 2/7/2017 AND HAS OPERATED AS THE SOLE AGI WELL TAKING ALL THE TAG FROM THE ZIA PLANT SINCE THAT DATE. AGI #1 IS USED ONLY AS A BACKUP WELL IN THE EVENT THAT AGI D #2 REQUIRES SHUTDOWN FOR MAINTENANCE OR REPAIR.

Figure 3. Zia AGI #1 Bottom Hole Data



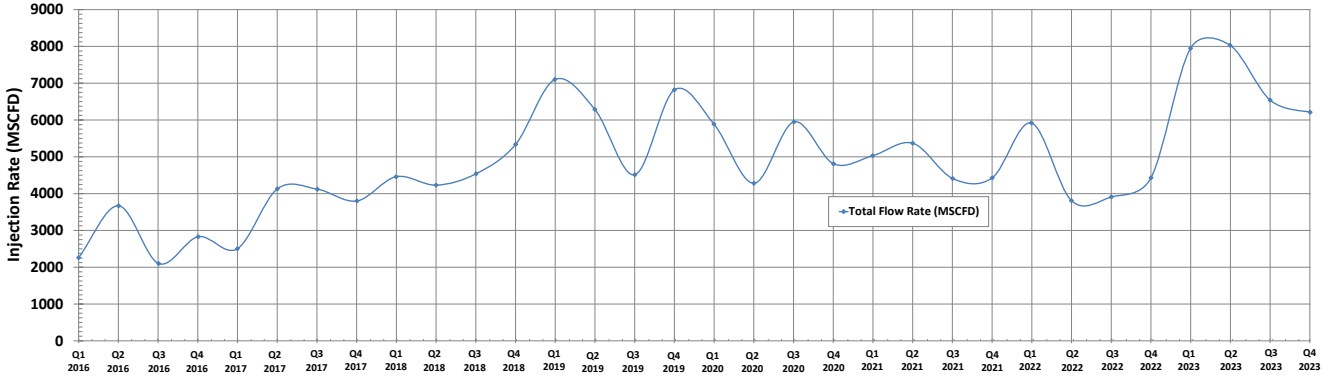
AGI #1 WAS IN USE FROM EARLY 2016 THROUGH 2/7/2017 -- NOTE THE DROP IN BOTTOM HOLE PRESSURE AND SLIGHT INCREASE IN BOTTOM HOLE TEMPERATURE IN Q1 2017 IN RESPONSE TO CESSATION OF INJECTION INTO AGI #1. BY 2020 THE PRESSURE AND TEMPERATURE VALUES IN THE RESERVOIR HAVE STABILIZED AND RETURNED TO PRE-INJECTION CONDITIONS.

Figure 4. Zia AGI D #2 Bottom Hole Data



AGI D #2 WAS BROUGHT ONLINE ON 2/7/2017 -- NOTE THE DROP IN BOTTOM HOLE TEMPERATURE AND INCREASE IN BOTTOM HOLE PRESSURE BEGINNING IN Q1 2017 IN RESPONSE TO INITIATION OF INJECTION INTO AGI D #2. BOTTOM HOLE TEMPERATURE HAS NOW GENERALLY STABILIZED AROUND 167 ° F AND AVERAGE BOTTOM HOLE PRESSURE HAS INCREASED ABOUT BY 200 PSIG IN 2023.

Figure 5. Zia AGI #1 and D #2 Total Flow Data



INCREASE IN TOTAL FLOW OCCURS AFTER AGI D #2 IS BROUGHT ONLINE IN FEBRUARY 2017 ALLOWING FOR PROCESSING HIGHER VOLUMES OF GAS THROUGH THE PLANT THEN WHEN IT WAS RELYING ON THE AGI #1 WELL ONLY. CURRENT INJECTION RATE HAS NEARLY DOUBLED SINCE THAT TIME.

WELL SCHEMATICS

Zia AGI #1 API# 30-025-42208

Zia AGI D #2 API# 30-025-42207

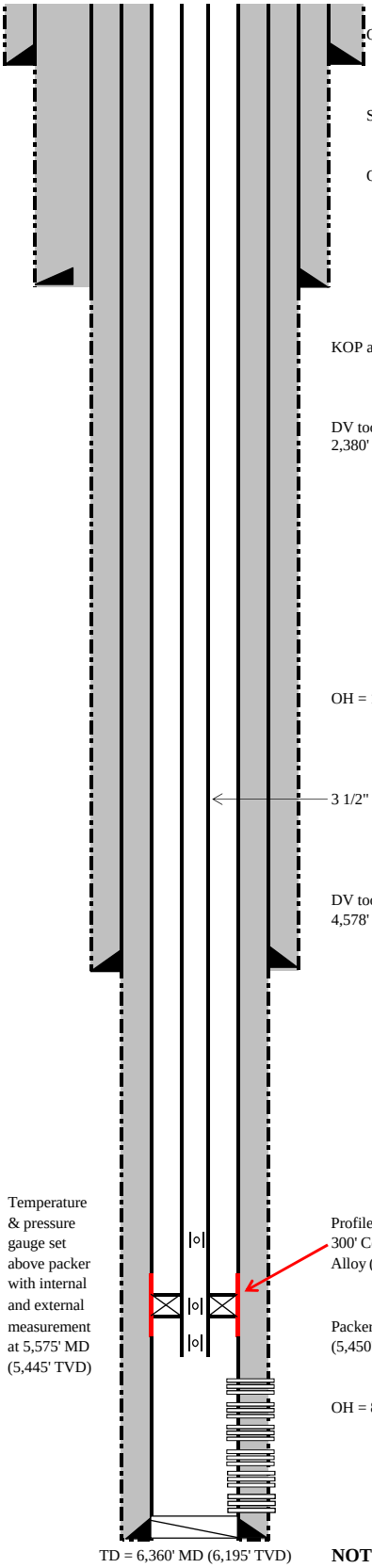
GEOLEX INCORPORATED

ZIA AGI #1 AS-BUILT WELL SCHEMATIC

dcp Midstream

Location: DCP Zia AGI #1 (API: 30-025-42208)
STR Section 19(L), T19S-R32E (2100' FSL & 950' FWL)
County, St.: LEA COUNTY, NEW MEXICO

16.2 DEGREE SLANT



CONDUCTOR CASING
20" Conductor at 120' (cement to surface)

SURFACE CASING
13 3/8", 68.0#/ft, J55, BTC at 842' (cement to surface)

ANNULAR FLUID:
Diesel Fuel from top of packer to surface

INTERMEDIATE CASING:
9 5/8", 40.0 #/ft, J55, LT&C at 4,921' (4,830 Ft TVD) cement to surface

PRODUCTION CASING:
7 5/8", 29.7 #/ft, HCL-80 LT&C, Surf. To 319' (MTD)
7", 26 #/ft, HCL-80 LT&C, 319' to 5,306' (MTD)
7", 26 #/ft, 28Cr VAM TOP, 5,306' to 5,615' (MTD)
7", 26 #/ft, HCL-80 LT&C, 5,615' to 6,344' (MTD) cement to surface

TUBING:
Subsurface Safety Valve at 242' MD (242' TVD)
3 1/2", 9.3#/ft, L-80 Fiberglass Lined Tubing surf. to 5,443' MD, ID=2.684", Drift=2.559"
3 1/2", 9.3#/ft, SM2550 from 5,443' to 5,575' MD
All tubing to include premium threads utilizing metal to metal sealing in collars

PACKER:
Permanent Production Packer @ 5,579' MD (5,450' TVD)
Adj. Choke (if needed, placed in nipple below packer)
Check valve (if needed, placed in nipple below packer)

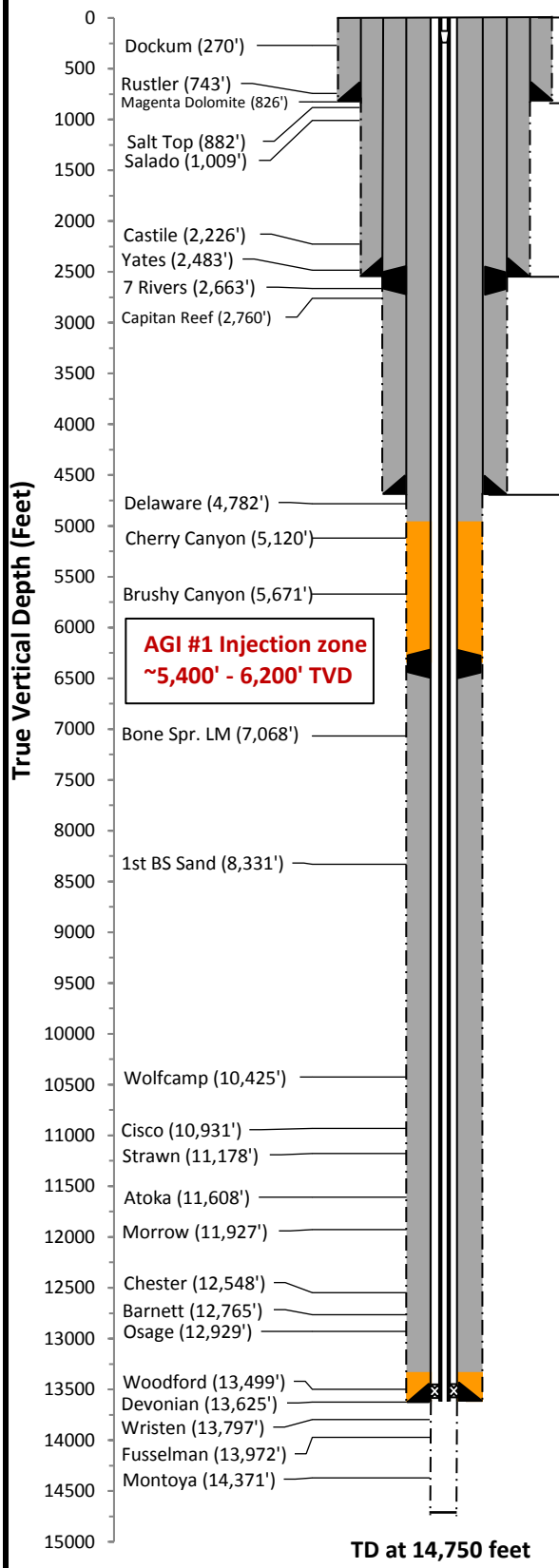
PERFORATIONS:
MD
5,682' - 5,756' complete and inject
5,788' - 5,890' complete and inject
5,907' - 6,010' complete and inject
6,030' - 6,136' complete and inject
6,162' - 6,260' complete and inject

NOT TO SCALE

Bottom Hole Location: Section 19(G), T19S, R32E (2,099' FNL & 862' FWL)

DCP Zia AGI D #2 As-Built Well Schematic

Well Name:	Zia AGI D #2	**Footage:**	1893' FSL & 950' FWL
API:	30-025-42207	**Well Type:**	Devonian AGI Expl.
STR:	Sec. 19(L), T19S-R32E	**KB/GL:**	3574'/3547'
County, St.:	Lea County, New Mexico	**Lat, Long:**	32.643950, -103.777782



30" CONDUCTOR PIPE to 120 ft

20" SURFACE CASING to 826 ft **26" OH**
20", 106.5 #/ft, J55, BTC, cmnt to srfc
Lead: HalCem Class C - 1,175 sx
Tail: HalCem Class C - 250 sx

SSSV @ 277'

13 3/8" 1ST INTERMEDIATE CASING to 2,555 ft **17.5" OH**
13 3/8-inch, 61 #/ft, J55, BTC, cmnt to srfc
Lead: HalCem Class C - 1,700 sx
Tail: HalCem Class C - 250 sx

9 5/8" 2ND INTERMEDIATE CASING to 4,696 ft **12.25" OH**
9 5/8-inch, 40.0 #/ft, N-80, BTC, cmnt to srfc (both stages)
Stage 1 - Lead: EconoCem HCL - 450 sx
Stage 1 - Tail: HalCem Class C - 250 sx
DV Tool/ECP in 9 5/8" casing @ 2,608 ft.
Stage 2 - Lead: HalCem Class C - 650 sx
Stage 2 - Tail: HalCem Class C - 100 sx

7" PRODUCTION CASING to 13,622 ft **8.75" OH**
7 5/8", 33.7 #/ft, P-110, LTC from 0-306 ft
7", 29 #/ft, P-110, LTC from 306-4,955 ft
7" 32 #/ft, V-110 Vallourec VAM from 4,955 to 6,346 ft
7", 29 #/ft, P-110, LTC from 6,363 to 13,329 ft
7", 32#/ft, V-110 Vallourec VAM from 13,329 to 13,622 ft
Cmnt to srfc on both stages
Stage 1 - Lead: Tuned Light Cement - 770 sx
Stage 1 - Tail: Well Lock Resin - 20 bbls
DV Tool in 7-in casing @ 6,346 ft (top)
Stage 2 - Lead: Tuned Light Cement - 420 sx
Stage 2 - Tail: Well Lock Resin - 80 bbls

TUBING & EQUIPMENT:
411 jts, 3.5", 9.3 #/ft, L80, BTS-8 from 0-13,197 ft
Halliburton Retrievable SSSV set @ 277 ft
9 jts, 3.5", 9.2 #/ft, Inconel G3 VAM Top from 13,200 - 13,518
HAL ROC P/T Gauge set @ 13, 526 ft
Halliburton BWD Permanent Packer set @ 13,535 ft
Annulus filled with 500 bbls diesel mixed with 1% (5 bbls)
Baker CRO 381 corrosion inhibitor

Schematic is properly scaled

TD Location: Sec. 19, T19S-R32E (1963' FSL & 1024' FWL)

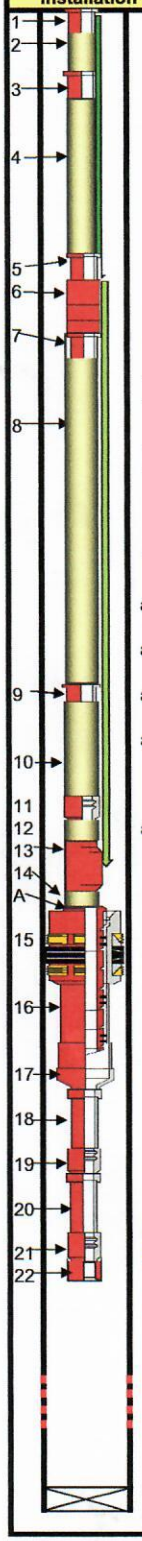
HALLIBURTON ENERGY SERVICES

DCP MIDSTREAM

ZIA AGI #2
LEA COUNTY, NEW MEXICO
1/22/17

Company Rep. GARY HENRICH
Tool Specialist SCOTT WALTON
Office ODESSA
SAP No. 903711839

Final Installation



Installation		Length	Depth	Description	OD	ID
1		25.00	7.52	KB CORRECTION		
2		0.50	32.52	TUBING HANGER		
	1	3.62	33.02	DOUBLE PIN ADAPTER	3.500	2.925
3	2	31.41	36.64	1 JOINT 3.5" 9.3# L-80 BTS8 TUBING	3.500	2.925
	3	17.48	68.05	3.5" 9.3# L80 BTS8- TUBING SUBS(9.73, 7.75)	3.500	2.925
	4	188.39	85.53	6 JOINT 3.5" 9.3# L-80 BTS8 TUBING	3.500	2.925
4	5	3.72	273.92	3.5" 9.3# X-OVER SUB BTS8 BOX X AB-TC-II PIN	3.940	2.910
	6	4.40	277.64	HALLIBURTON TUBING RETRIEVABLE SAFETY VALVE 3.5" 9.2# AB-TC-II BOX X PIN 478HRE18 102588547 SN-0003667054-2 NICKLE ALLOY 925 15,000# PRESSURE RATING 750 PSI CLOSING 2300 PSI OPENING 2.813 'R' PROFILE IN TOP OF VALVE.	5.290	2.813
5	7	3.75	282.04	3.5" 9.3# X-OVER SUB AB-TC-II BOX X BTS8 PIN	3.940	2.910
6						
7	8	12911.35	285.79	411 JOINTS 3.5" 9.3# L80 BTS8 TUBING	3.500	2.684
	9	3.75	13,197.14	X-OVER PUP JOINT 3.5" 9.3# BTS8 box X 3.5" 9.3# VAMTOP pin	3.930	2.684
	10	317.56	13,200.89	9 JOINTS 3.5" 9.3# VAMTOP SM2550 NICKELTUBING	3.500	2.992
	11	1.33	13,518.45	HALLIBURTON 2.562 X 3.5# 9.3# L-80 VAM TOP LANDING NIPPLE (811R25635)(102204262)(SN-0003744132-3) NICKEL ALLOY 925	3.940	2.562
8	12	6.35	13,519.78	3.5" 9.2# G3-125 VAMTOP BOX X PIN SUB (COUPLING ON BTM)	3.930	2.992
	13	4.32	13,526.13	HALLIBURTON ROC GAUGE MANDREL 3.5" VAMTOP PXP 102329817 SN-ATM-16-106669-1 ROC GAUGE ROC16K175C 101863926 WD#9381-6034 ADDRESS 094 SN-ROC004482	4.670	2.950
	14	3.75	13,530.45	3.5" 9.2# G3-125 VAMTOP BOX X PIN SUB	3.930	2.992
	A			HALLIBURTON SEAL ASSEMBLY		
	a-1	1.73	13,534.20	STRAIGHT SLOT LOCATOR 3.5" VAMTOP X 3.5" 10.2# VAMINSIDE INCOLOY 925 (212S4042-D)(102351212)(SN-G3362241-1)	4.460	2.886
	a-2	4.33	13,535.93	EXTENSION 3.5" 10.2# VAMINSIDE NICKEL ALLOY 925 (212X38814-D) (158726)(SN-G3362256-1)	3.860	2.902
9	a-3	4.33	13,540.26	EXTENSION 3.5" 10.2# VAMINSIDE NICKEL ALLOY 925 (212X38814-D) (158726)(SN-G3362256-1)	3.860	2.902
	a-4	5.00	13,544.59	5 -SEAL UNITS 4" X 3.5" 10.2 VAM TOP NICKEL ALLOY 925 MOLDED AFLAS SEALS 4.07 OD, 8000 PSI (812MSA40003-D)(102133617)(SN-0003744129-1 0003744129-4) (0003744129-3 0003744129-2 0003744129-5) (METAL OD 3.95")	4.050	2.883
10						
11						
12	a-5			(TOP 2 SEAL ARE FLOUREL BOTTOM 3 SEALS ARE AFLAS)		
13		0.54	13,549.59	MULE SHOE GUIDE 3.5" 10.2# VAMINSIDE NICKEL ALLOY 925 (812G40137-D) (102133560)(SN-3744130)	3.950	2.980
14				LAND HANGER WITH 26,000# COMPRESSION		
A				PUTS 20,000# COMPRESSION ON PACKER		
15				PICK UP WEIGHT IS 132,000# SLACK OFF IS 120,000#		
				HALLIBURTON PACKER ASSEMBLY		
	15	3.11	13,535.00	HALLIBURTON 7" 26-32# BWD PERMANENT PACKER WITH 4" BORE, 4.75" 8UN BOX THREAD, INCOLOY 925 (212BWD70412-D)(101303583)(SN C3774119) WAS RUN ON W/L AND TOP @ 13535' ELEMENTS @ 13533.21'	5.880	4.000
16						
17	16	11.41	13,538.11	SEAL BORE EXTENSION 4" X 8' INCOLOY 925 4.75 8UN PXP (PN212C7674)(120051359)(SN-0003744131-1)	5.030	4.000
18	17	0.83	13,549.52	X-OVER 4 75" 8UN BOX X 3.5" 9.3# VAM INCOLOY 925 (212N100131)(101719647)(SN-0003744131-1)	5.680	2.963
19	18	5.76	13,550.35	PUP JOINT 3.5" 9.3# VAM TOP INCOLOY 925 WITH COUPLING	3.520	2.940
	19	1.33	13,556.11	HALLIBURTON 2.562'"R' X 3.5" VAMTOP LANDING NIPPLE (811X25635) (102204262) (SN- 0003744132-1) NICKEL ALLOY 925	3.940	2.562
20	20	5.76	13,557.44	PUP JOINT 3.5" 9.3# VAM INCOLOY 925 WITH COUPLING	3.520	2.930
21	21	1.33	13,563.20	HALLIBURTON 2.562" X 3.5" VAMTOP LANDING NIPPLE (811X25635) (102204262) (SN- 0003744132-2) NICKEL ALLOY 925	3.940	2.562
22						
	22	0.73	13,564.53	WIRELINE RE-ENTRY GUIDE 3.5" 9.3# VAM INCOLOY 925	3.970	3.000
			13,565.26	BOTTOM OF ASSEMBLY		
				EOC @ 13,622'		
				TD @ 14,750'		
				DIESEL USED FOR PACKER FLUID		

Filename:

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 309539

CONDITIONS

Operator: DCP OPERATING COMPANY, LP 6900 E. Layton Ave Denver, CO 80237	OGRID: 36785
	Action Number: 309539
	Action Type: [C-103] Sub. General Sundry (C-103Z)

CONDITIONS

Created By	Condition	Condition Date
anthony.harris	None	2/1/2024