

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

3a. Address

3b. Phone No. (include area code)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.

9. API Well No.

10. Field and Pool or Exploratory Area

11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: SESW / 660 FSL / 1980 FEL / TWSP: 19S / RANGE: 31E / SECTION: 5 / LAT: 32.6840008 / LONG: -103.889407 (TVD: 0 feet, MD: 0 feet)

PPP: 0 / 0 / SECTION: / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)

BHL: SESW / 660 FSL / 1980 FEL / TWSP: 19S / RANGE: 31E / SECTION: 5 / LAT: 32.6840008 / LONG: -103.889407 (TVD: 5600 feet, MD: 5600 feet)

Manzanita Operating, LLC

Rainmaker Fed #1 – Completion Report

7/11: cleanup and re-dress location fill in cellar.

7/12: MIRU Reverse Unit pit and pump, pipe racks, catwalk, and unload ~ 5,600' 2 7/8" tbg

7/13: MIRU Pulling Unit, PU 4 3/4" VT bit, 6x 3.5" DCs and tally ITH to DV tool at 3,812'. Tag DV tool and break circulation w/2% KCL and drill out DV tool. Cont ITH to bottom and circl well clean with 2% KCL. PU one stand and SWIFN.

7/14: POH w/tbg and lay down DCs and bit, release reverse unit and pit. MIRU Wireline and run CBL – TOC est 600' – bond OK through pay. RIH w/perf guns and perforate 5330-40 and 5320-30 w/2 spf. RDMO wireline. PU 5 1/2" x 2 7/8" arrowset packer and RIH to 5268 and set packer. MIRU swab tank w/gas buster and RU to swab well. Swabbed to SN in 6 runs w/no blows and no shows, rec 27 bbls, SD one hour, FL 4400', entry 900' in 1 hr, swabbed 3 more bbls all water slight skim. SWIFN

7/15: open well to slight vacuum. First swab run FL 4100', rec 10 bbls water with formation and skim oil, 2nd run no rec – SD 1 hr. FL 4400' rec 7 BW w/slight cut and formation fines. Will cont swabbing – acid job scheduled for Tuesday 7/19

7/18: open well to 15 psi blow, FL @ 1400', first run all water with slight cut / emulsion, down to SN in 3 runs, 4th run wait one hr, 900' entry, continue to swab until 5 pm and SWIFN

7/19: MIRU Cudd and unset packer and GIH to 5340 and spot 4 bbls acid, PU to 5260 and packer will not set, lay one jt down, packer will not set, trip pipe to replace packer, set packer at 5228' and pump 2500 gallons 7.5% NEFE HCL acid with 2000 gallons gell w/36 ball sealers and 2000lbs 20/40 sand. ATP 1967 ATR 5.6 BPM ISIP 1315, 1223, 1177, 1154. Open well after 2 hrs to pit, flowing 1" – 2" stream – leave well open to pit O/N. SDFN. TLTR 174 BBLS.

7/20: 25 BW flowed to pit O/N, 149 BBLS LTR. Swabbed 185 bbls in 32 runs, swabbing with FL @ ~4400' from SN after 6 runs; no significant shows of gas or oil, swab tank has 2-4 gallons skim oil on top – decision made to move up to Kilo perfs; will POOH with packer and prepare to run CIBP and cement and perforate Kilo zone from 4893-4901 and swab for results 7/21.

7/21: MIRU Wireline and set CIBP 5300'. Dump bail 10' cmt on CIBP. Perforate Kilo 4893-4901 w/2spf. PU Lockset packer and GIH to 4750 and set packer. Begin swabbing, swab well down to 4750 in 6 runs, all water with slight cut on last run, SDFN.

7/22: Open to no blow, first swab run find FL at 4400'. First run 2% cut, second run no returns, replace cups for third run. Cleanup acid job scheduled for Monday 7/25. Will cont. to swab for results.

7/25: MIRU Cudd and unset packer and GIH to 4900 and spot 1 bbl acid PU to 4750 and set packer and pump 1250 gal 7.5% NEFE HCL with Gel Sand, and 24 Ball sealers, BD 3232, ATR ATP 1947 ATR 6.3 BPM ISIP 1198, 1083, 1060, 1037, 1000. 96 BBLS TLTR. Open well to pit after 2 hrs and flow 15 bbls in one hr, RU swab and swab well – swabbed 79 bbls to pit with 5% cut on last 4 runs pulling from 3700' w/15 minute breaks between runs. SWIFN.

7/26: SITP 65 psi, open well to pit with good blow, first swab run found fluid level 800', pulled from 2400' top all oil, bottom of run 5% cut. Swab well down to SN in 3 runs (4750); continue swabbing all day – in 20 runs recovered additional 75 bbls at 5% cut, pulling from 3400' consistently after 30" breaks, cut remains 5% - decision made to TA this zone and move up the hole to perforate and acid-test zone 3 perfs from 4754-60, 4785-95, 4797-4803, 4809-19. SWIFN.

7/27: unset packer and POOH w/pipe, MIRU Wireline and set CIBP w/5sx @ 4875'. Perforate Zone 3 from 4754-4819 (gross, 32' net). PU packer and TIH to 4686' and set packer, begin swab testing zone 3. Swab down to SN in 5 runs, 6th run 500' of entry SD 1 hr. after one hr swab 5 bbls 30% cut. SWIFN.

7/28: SITP 80 psi, blow well down for 5 minutes and begin swabbing. Swabbed all oil first run from 3800'. Continue to swab 5 more runs rest of day recover 21 bbls oil. SWIFN

7/29: SITP 120 psi, first run FL at 3300', recover all oil, will continue swabbing Friday, and Monday, and hope to acidize Tuesday 8/2. Made 6 runs tagging at ~4500' (SN at 4680) recovered an additional 9 BO and some water. SWIFWE

8/1: SITP 150 psi. Open well to tank and flow 17 BO in 30 minutes. RU to swab and begin swabbing, tag fluid level at 3700' pull from SN at 4680' all oil – swab every 2 hrs during day; in 4 more runs, tagging 4500', recovered 8 more BO swabbing, 21 BO recovered for the day. Cudd plans to be OL 7AM for acid job 8/2. SWIFN

8/2: MIRU Cudd and acidize perfs with 5000 gal 7.5% NEFE with 64 ball sealers and 5000 lbs 20/40 and 5000 gal gel. AIP 2333 AIR 9.2 BPM ISIP 1267, 1129, 1106, 1083. TLTR 270 bbls. Open well to pit after 2 hrs and flow down in 30 minutes, during well flowing down notice backside bubbling. Begin swabbing – monitor backside while SI. Backside built pressure to 200 psi – bled off 5 bbls of oil and lots of gas to pit and SI to monitor while continue to swab. Swabbed until evening tagging at ~2,800' consistently, begin cutting oil at approximately 50 bbls load recovered. Recovered 161 bbls – 61 oil and 100 water. 170 bbls load to recover. Backside did not build pressure again – will monitor in AM. SWIFN.

8/3: SITP 380 psi. bleed well down to pit in 15 mins. Backside no pressure. Begin swabbing initial tag 800' 1st swab mostly oil. Con't swabbing. Made 31 swab runs today and recovered 100 BW and 54 oil. 70 bbls load to recover. SWIFN. Planning to swab rest of load and set tubing and rods to temporarily produce well and RDMO Pulling Unit ASAP. American 456 pumping unit scheduled to MI and set 8/17. Hope to evaluate production and possibly design and schedule small "bucket"-frac job.

8/4: SITP 200 psi. bleed well down for 30" to pit. Make 30 swab runs and recover 121 BBLs – 50 oil and 71 water. TLTR 0. SWIFN.

8/5: SITP 200 psi. bleed well down and unset packer. POOH w/tbg and PU 2 7/8" BPMA, PS, SN, 4 jts, TAC, 143 jts 2 7/8" tbg, land tbg w/11 pts tension and ND BOP NU WH. PU 250x200x20' RHBC pump and 32x1" rods, 80x3/4", and 77x7/8", 4'x7/8", and 20'x1 1/4" PR. Stack out rods and SWIFN.

8/8: SITP 100 psi, SICP 120 psi. RDMO Pulling Unit and prep location for pumping unit – will drop from daily report until pumping unit arrival.

8/18: MIRU used American C456x305x120, MIRU Generator, install electrical panel, plumb well head to temporary tanks, 120 psi SICP, bleed well down and flow to tank for 30 minutes, when ready to hang head on unit -discovered adjustment bolts on head need welding, and cracked weld on unit skid can also be repaired. Leave well open to test tank and SDFN for welder in AM.

8/19: Welder repaired horses head adjustment bolt and repaired crack on weld on skid – crane not available to hang on until 8/20 in evening.

8/20: hang horses head on and space rods 18" off bottom – balance and start unit ~8SPM 2:30pm 8/20 – 120psi tbg 60 psi csg. make approx. 40 bbls in next 3 hrs, heavy rains, decide to shut unit down and wait for hauling to temp tanks – out of room in test tank.

8/21: started unit at 2pm and found unit with belts burnt off at 4 pm – had all oil and water separated and moved out of test tank into temporary frac tanks. Belts were used and not replaced on Thursday when unit was assembled – will have new belts on Monday and fresh tank to test into for at least 24 hrs.

8/22: roustabout o/l to replace belts but cannot remove belt guard – did not bring truck with tall enough rig – cannot find larger truck until 8/23...

8/23: unit started 2:30 pm tbg pressure 150 psi csg pressure 50 psi

8/24: pumped 350 BBLS - 85 BO and 265 BW (had to let settle a day to guage temporary tanks) gas tstm

8/25: letting production settle for cut – pumped 215 BBLS total fluid gas tstm

8/26: est production from 8/25 90 BO 120 BW; produced ~200 BBL total fluid 8/25-8/26

8/27: found well off – generator out of diesel – fuel tank was dropped off but never filled... - est production from day before ~75 BO 125 BW – fuel cannot make till Monday

8/29: Diesel not filled until evening – prep location for tank battery – bring in chat and level and smooth SW corner and W side of location.

8/30: MI and set 2x16' 500 bbl steel tanks and 1 16' fiberglass and 4x20 seperator begin laying out fittings – begin working on catwalk and piping layout. Fill generator with aux tank diesel, pump running to test tanks during construction starting 1:45pm.

8/31: continue to layout and build battery, hang catwalks, begin plumbing in risers for tanks and separator. Well made 320 bbls total fluid – 50% wellhead cut from samples. Heavy rains flooded location in 6" of water, could not get water haulers to transfer fluid from temporary tanks, shut well down. Roustabout left at 4pm – could not get parts due to weather. SDFD.

9/1: Cont. to build battery. Finish plumbing in tanks and begin towards separator began well pumping to test tank 11am after water transfer able to get to location. Plan to fill battery tanks half way tomorrow.

9/2: Cont. to build battery. Separator 95% finished and begin lines to tanks. Well made 230 bbls total fluid WH cut 25%. Will continue to pump well to test tanks over long weekend – construction will resume 9/6.

9/6: Cont. to build battery. Re-building dump-valves and gas-regulator valves and beginning flare – waiting on order of more line pipe, cannot cont. without line pipe from Hobbs – finished treater and water lines to tank and stood flare up. Well made 170 total fluid yest w/<25% oil cut at well head. Will monitor production for at least 2 weeks after turning to battery before making decision on frac or zone isolation/testing.

9/7: completed separator and runs to tanks and begin filling up – find small leak on water outlet on bottom of treater – break Victaulic clamp trying to repair and will have to get new clamp – plan on turning to battery tomorrow.

9/8: changed where regulator valves were positioned and build tank damn for treater, tanks, and flare – setup flare with battery and spark plug – set up treater pressures to outlet to future sales and or flare – begin filling treater with water truck – find another small leak and repair – too late to watch well pump into battery – will turn well on and make sure dump lines are good in AM.

9/9: Start well and start to pressure heater. Back pressure valves still not working correctly – wait for two new valves to show up and re-plumb. Shut casing in to build gas pressure. Decision made to wait until Monday AM to start well with roustabout foreman on location and after well as built gas pressure on csg.



DAILY REPORT - 12, DRILLING DAY - 11

Operator	Manzanita Operating, LLC	Report No.	12	Formation	Delaware	Current Depth (ft)	5,620'
Date	6/14/2022	WI%	100%	Project	Wildcat	24 Hr Footage (ft)	
Well Name	Rainmaker Fed #1	NRI %	100%	AFE Days	12	Avg ROP (ft/hr)	-
Rig Name	Phoenix Rig 101	Drilling AFE	\$ 880,715	Spud Date	6/3/2021	Rotate Drilling Hrs	
State	New Mexico	Total AFE	\$ 1,460,435	Rig Rel. Date	6/14/2022	Slide Drilling Hrs	
County	Eddy	DWC	\$ 246,587	Planned TD	5,620'	Avg WOB (klb)	
SHL Legals	SHL: 660' FSL & 1,980' FEL, Sec. 5 T19S R31E	CWC	\$ 1,262,534	PBHL TVD	0'	Avg RPM	
API No.	30-015-49490	DMC	\$ -	Current VS		Avg Flow Rate (GPM)	
Project Lead	Scott Panthaky	CMC	\$ 96,275	Left to TD	0'	Avg SPP (psi)	

24 Hour Summary	Finish Running 5 1/2" Casing, Circulate Cement Casing, Nipple Down And Set Slips, N/U "C" Section, Clean Pits
Planned Activity	Haul Off All Liquids And Solids To Disposal, Release All 3rd Party Equipment
Wellbore Issue(s)	N/A

Operations Time Log				
From	To	Total	Depth End	Comment
06:00	10:00	4.0	5,620	Run 5 1/2" 17.0# L-80 Casing As Follows: Guide Shoe, 1 Joint, Float Collar, 42 Joints Casing, DV Tool 136 Joints Of Casing, Centrailezer On Every 4th Joint, Total Pipe 5,612.34'), Filling And Breaking Circulation Every 35 Joints
10:00	11:00	1.0	5,620	Circulate And Condition Hole For Cement Job
11:00	13:30	2.5	5,620	Safety Meeting w/ All Crews, Pump 1 Stage As Follows: Test Lines 5,000 psi, Pumped 24 bbl Mud Flush Spacer w/ Green Dye 270 sks 13.9ppg, 1.59 Yield, 8.11 GPS100% Class C+0.05% R-1300+0.4% C-47B+3PPS CSE-NP+0.005GPS NoFoam V1A = 76.5 BBL's Displaced w/ 129 BBL's Of Fresh Water, Bumped Plug w/ 500psi Over Lift Pressure X,XXX psi, Floats Holding
13:30	14:00	0.5	5,620	Dropped DV Tool Opening Bomb, Wait 30 Minutes To Fall, Open DV Tool, w/ 950psi
14:00	19:00	5.0	5,620	Circulate @ 3.0 BBL's Min w/ Rig Pumps Waiting On Cement
19:00	20:00	1.0	5,620	Cement 2nd Stage Lead As Follows:Pumped 20 BBLs Spacer w/ Dye 329 sks Of 12.4 ppg, 2.13 Yield. 11.66 GPS 35% B_Poz+65% Class C+6% Gel+5% SALT+3PPS Gilsonite+0.005GPS NoFoam V1A Tail: 50 sks 14.8ppg, 1.34 Yield, 6.37 GPS,100% Class C+1% CaCl2+0.005GPS NoFoam V1A Displace w/ 89 BBLs Fresh Water, Bumped Pleg, Floats Held, 20 BBLs Spacer Back To Surface Full Returns Throughout Job.
20:00	22:00	2.0	5,620	Nipple Down BOP, Set 5 1/2" Casing Slips w/ 105K on Slips, Install "C" Section, Test 1,500 Psi, Install Night Cap
22:00	06:00	8.0	5,620	Clean Pre-Mix Pit, Clean Rig Pit w/ Muholland Super Vac, Haul Waste Mud & Solids To R360 Disposal
				Rig Released 06:00 6/14/22

Mud Report										Mud Company-->	Newpark	
Density	Vis	PV	YP	3 RPM	6 RPM	FL / HTHP	Filter Cake	pH	Solids		HGS	LGS
LCM	Water Loss	Gel	Oil / H2O %	Sand %	CaCl	Chlorides	Pit Vol	Syst. Vol	Daily Mud Loss	Cum Mud Lost		

Time Log Distribution				BHA Components											
Activity	Previous	Daily	Cumm	# Jts	Component Description			Wts	OD	ID	Length				
Rig Mob	31.00		31.00												
Drill - Rotate	89.00	-	89.00												
Drill - Slide	7.00	-	7.00												
Trip Time	24.00		24.00												
Survey	-		-												
Serv Rig	-		-												
Circ & Cond	12.50	1.00	13.50												
Wash & Ream	-		-												
RU Equip	0.50		0.50												
PU / LD	5.50		5.50	Motor Details - Current							Total RPM	0			
Run Csg	20.50	4.00	24.50	Size		Bend Type	Bend Setting	Bit-to-Bend (in)	Lobe Con.	Stages	Rev / gal				
Cement	3.00	4.00	7.00												
WOC	4.00	5.00	9.00	Motor Details - Previous							Total RPM	0			
NU BOP / WH	17.00	2.00	19.00	Size		Bend Type	Bend Setting	Bit-to-Bend (in)	Lobe Con.	Stages	Rev / gal				
Press Test	10.00		10.00												
Cut & Slip	-		-	Bit Data - Current											
Logging	10.00		10.00	No.	Type	Size	Model	S/N	In	Out	ROP	Hrs	Grade		
MWD Trouble	3.00		3.00												
Fish / Work Pipe	-		-	Bit Data - Previous											
Clean Rig / Pits	-	8.00	8.00	No.	Type	Size	Model	S/N	In	Out	ROP	Hrs	Grade		
Other	11.00		11.00												
NPT / Top Drive	-		-	Casing Strings										Cement	
NPT / Pumps	-		-	No.	Casing Desc		Size	Grade	Wt.	Conn.	Top	Bottom	Cu. Ft	TOC	
NPT / Rig Power	5.00		5.00	1	Surface		13 3/8"	H-40	48.0	STC		688	940.3	0'	
NPT / Misc	11.00		11.00	2	Intermediate		8 5/8"	J55	32.0	LTC		2230	1,040	0'	
Total Rig NPT	16.00	-	16.00	3											
Total Hours	264.00	24.00	288.00	4											

BHA Weights		Gas Shows		Survey Information					Directional Co-->		TrueShot	
BHA Wt		BG Gas	583	MD	Inc	Azm	TVD	N/S	E/W	VS	DLS	Method
DP Wt		Conn. Gas	897									
Str Wt - Rot		Trip Gas	0									
Pick Up		Lithology	Percent									
Slack Off		Dolomite	100%									
Drag		Sand										
Torque		Shale										

Rig Contacts			Job Supplies				Previous		Daily		Cum	
Name	Title	Contact No.	Item	Type	Units	On Hand	Rec	Used	Rec	Used	Rec	Used
Phoenix Rig 101	Co Man Office	(432) 770-5805	Diesel	Fuel	bbl	5,031	7256	5183			7256	5183
Ricky Keith	Company Man	(806) 231-3477	Diesel	Mud	bbl		0	0			0	0
Scott Panthaky	Manzanita Office	(432) 349-3096	Water	Rig	bbl		0	0			0	0
Phillip Coffey	Mud Engineer	(601) 248-7189					0	0			0	0
			Diesel	Rig	Arrived	3,693	0	0			0	0
			EHS & Accidents									
			Time		# Injured	Incident Type		Type of Event		Report Email (Y/N)		
			Comment Details									

Well Cost Summary - Total					\$ 1,262,534			
Date: 6/14/2022					Day: 12			
Code	Intangible Costs	Previous	Daily	Cumulative	Comments / Company			
Location Charges								
9207	Legal Fees / Leasing / Plats	-		-				
9220	Insurance	-		-				
9211	Build Location/Restore Location	62,000		62,000				
	Mousehole / Conductor	12,500		12,500	Byrd Oilfield Service			
9211	Location Repair / Rock	-		-				
Rig Mobilization Costs								
	Rig Mob Costs - Trucking	90,000		90,000	Hooper Trucking			
9230	Drilling Daywork During Mob and RU	15,500		15,500	Phoenix Drilling Company			
	Trucking - Drill Pipe (if separate)	-		-				
Daily Rig and Mud Costs								
9202	Drilling Contractor Daywork	155,000	15,500	170,500	Phoenix Drilling Company			
9224	Diesel Fuel - Rig	35,347		35,347	7,256 Gal @ \$4.58 per/gal. Rolfson Oil			
9209	Drilling Fluids and LCM	23,874		23,874	New Park Drilling Fluids			
	Diesel - OBM Base Fluid	-		-				
9213	Open Hole Logging	68,201		68,201	Schlumberger Wireline Logs			
9228	Mud Logging / Formation Evaluation	4,200		4,200	Morco Mudloggers.			
9222	Supervision / Consulting	17,600	1,600	19,200	Crescent Consulting.			
	Trucking Mud To Disposal	3,073	9,525	12,598	Franco's Trucking.			
9209	Water Brine/Fresh Water	26,331		26,331	Franco Trucking			
1010	Surface Rental Equipment	33,617	3,774	37,391	Details Listed Below			
Downhole Rental Equipment								
9212	Rental Drill Pipe / Handling Tools	-		-				
9219	IBS, Reamers, Bit Subs	-		-				
9219	Agitators, Shock Subs,	1,200		1,200	JA Oilfield Shock Sub/Bit Sub			
9219	Jars	-		-				
9219	Bits	17,881	11,766	29,647	Varel 7 7/8" HAVOX 616 Ser: 4013229			
Directional Drilling Costs								
	Directional / Mud Motor	31,650		31,650	True Shot \$130/Hr			
	Directional Drilling Standby Charges	-		-				
	Teledrift / Survey Equipment	-		-				
	Gyro	-		-				
	Cement Whipstock	-		-				
	Open Hole Whipstock / Equipment	-		-				
Miscellaneous - One Time Costs - Service Calls								
9215	Trucking / Hotshots	7,175		7,175	Float Equip, BHA, Wellhead			
	RD Chokes / Flare Line	-		-				
	Mud Disposal / Soil Farming	34,800	18,000	52,800	Solids Haul Off Daily 3 Total 5			
	BOP Testing / NU Crews	7,815	3,650	11,465	BOP Ram, Test BOP			
9206	Contract Labor & Service Calls	10,123	6,852	16,975	Wellhead Tech Install C Sec			
9217	Drill Pipe Inpsection	-		-				
	Camp Water And Sewer Haul Off	750		750				
	Materials / Supplies / Screens	-		-				
Casing and Cementing Services								
9217	Casing Inspection	6,807		6,807	Inspect CVD 5 1/2" Casing			
9218	Casing Crews / Torque Turn	16,965	14,125	31,090	Southern Connection Run 5 1/28" Cassing			
	PU / LD Machine	-		-				
	Cementing Surface	26,191		26,191	West Texas Cementers, 13 3/8" Casing			
	Cementing Intermediate	24,102		24,102	West Texas Cementers, 8 5/8" Casing			
	Cementing Production / Liner	-	26,314	26,314	West Texas Cementers, 5 1/2" Casing			
Surface Rental Tools		Previous	Daily	Cumulative	Company	Start	Release	# Days
WellSite Housing		7,457	1,352	8,809	Tan-Mar \$360 Day	6/3/2022		12
Rig Communications		2,120	170	2,290	Enercom \$170/Day	6/3/2022	06/14/22	12
Pason System		5,450	567	6,017		6/3/2022	06/14/22	12
3 Light Towers		1,650	150	1,800	Kudu Services \$150	6/3/2022	06/14/22	12
Cooling Trailer		-		-				-
Rotating Head		-		-				-
Open Top Tanks		1,000	100	1,100	West Texas Premix	6/3/2022	06/14/22	12
Hyd Choke		1,600	200	1,800	Iron Horse	6/6/2022	06/14/22	9
Porta Johns/Trash Trailer		660	60	720	Kudu Services \$60 Day	6/3/2022	06/14/22	12
20" Spacer Spool/40 Bolts		455		455	BOP Ram	6/6/2022	6/9/2022	4
2-4X4 Trash/Water Pump w/ Hose		1,500	150	1,650	West Texas Premix	6/3/2022	06/14/22	12
400 bbl Pr_Mix Pit		3,000	275	3,275	West Texas Premix	6/3/2022	06/14/22	12
Forklift		2,200	200	2,400	Kudu Services	6/3/2022	06/14/22	12
Frac Tanks (7)		2,350	175	2,525	West Texas Premix	6/3/2022	06/14/22	12
Excavator		3,375	375	3,750		6/4/2022	06/14/22	11
Cannon Safety (H2S) Package		800		800		6/3/2022	6/12/2022	10
Total Rental Tools		33,617	3,774	37,391				
Code	Tangibles - Drilling							
9401	Surface Casing	31,451		31,451	690' 13 3/8" Casing @ \$45.58 Per/Ft			
9401	Intermediate Casing	66,378		66,378	2,220' f 8 5/8" 32#, J-55 @ \$29.90 Per/Ft			
9490	Float Equipment / DV Tool	9,595		9,595	Citadel 8 5/8" Float Equipment			
9404	Wellhead Equipment (Drilling)	8,200		8,200	A & B Sections			
Code	Tangibles - Completion							
9402	Production Casing / Liner	105,094	105,094	210,188	5,620' 5 ½" 17# J LTC – \$18.70 /Ft			
	Liner Hanger / PBR	-		-				
	Open Hole Packer System / Toe Sleeves	-		-				
9490	Float Equipment (Prod String)	7,970	7,970	15,940	Citadel 5 1/2" Float Equipment			
	Tubing Head (Completion)	-		-				
Total Drilling Intangible Costs		732,702	84,792	817,494				
Total Drilling Tangible Costs		115,624	-	115,624				
Taxes/Misc	10.00%	84,833	8,479	93,312				
Total Completion Costs (+ 10%)		113,064	153,316	266,380				
Total Cost		1,015,947	246,587	1,262,534				

Released to Imaging: 11/17/2022 9:31:10 AM

Well Cost Summary - Total					\$ 1,016,937				
Date: 6/13/2022					Day: 11				
Code	Intangible Costs	Previous	Daily	Cumulative	Comments / Company				
Location Charges									
9207	Legal Fees / Leasing / Plats	-		-					
9220	Insurance	-		-					
9211	Build Location/Restore Location	62,000		62,000					
	Mousehole / Conductor	12,500		12,500	Byrd Oilfield Service				
9211	Location Repair / Rock	-		-					
Rig Mobilization Costs									
	Rig Mob Costs - Trucking	90,000		90,000	Hooper Trucking				
9230	Drilling Daywork During Mob and RU	15,500		15,500	Phoenix Drilling Company				
	Trucking - Drill Pipe (if separate)	-		-					
Daily Rig and Mud Costs									
9202	Drilling Contractor Daywork	139,500	15,500	155,000	Phoenix Drilling Company				
9224	Diesel Fuel - Rig	35,347		35,347	7,256 Gal @ \$4.58 per/gal. Rolfson Oil				
9209	Drilling Fluids and LCM	23,874		23,874	New Park Drilling Fluids				
	Diesel - OBM Base Fluid	-		-					
9213	Open Hole Logging	-	68,201	68,201	Schlumberger Wireline Logs				
9228	Mud Logging / Formation Evaluation	4,200		4,200	Morco Mudloggers.				
9222	Supervision / Consulting	16,000	1,600	17,600	Crescent Consulting.				
	Trucking Mud To Disposal	3,073		3,073	Franco's Trucking.				
9209	Water Brine/Fresh Water	26,331		26,331	Franco Trucking				
1010	Surface Rental Equipment	30,835	2,782	33,617	Details Listed Below				
Downhole Rental Equipment									
9212	Rental Drill Pipe / Handling Tools	-		-					
9219	IBS, Reamers, Bit Subs	-		-					
9219	Agitators, Shock Subs,	1,200		1,200	JA Oilfield Shock Sub/Bit Sub				
9219	Jars	-		-					
9219	Bits	17,881		17,881	Varel 11" VION 516S Ser: 9004600.				
Directional Drilling Costs									
	Directional / Mud Motor	31,650		31,650	True Shot \$130/Hr				
	Directional Drilling Standby Charges	-		-					
	Teledrift / Survey Equipment	-		-					
	Gyro	-		-					
	Cement Whipstock	-		-					
	Open Hole Whipstock / Equipment	-		-					
Miscellaneous - One Time Costs - Service Calls									
9215	Trucking / Hotshots	7,175	900	8,075	Haul Directional Tool To Midland				
	RD Chokes / Flare Line	-		-					
	Mud Disposal / Soil Farming	34,800		34,800	Solids Haul Off Daily 3 Total 5				
	BOP Testing / NU Crews	7,815		7,815	BOP Ram, Test BOP				
9206	Contract Labor & Service Calls	10,123		10,123	Forklift Operator				
9217	Drill Pipe Inpsection	-		-					
	Camp Water And Sewer Haul Off	750		750					
	Materials / Supplies / Screens	-		-					
Casing and Cementing Services									
9217	Casing Inspection	6,807		6,807	Inspect CVD 5 1/2" Casing				
9218	Casing Crews / Torque Turn	16,965		16,965	Southern Connection Run 8 5/8" Cassing				
	PU / LD Machine	-		-					
	Cementing Surface	26,191		26,191	West Texas Cementers, 13 3/8" Casing				
	Cementing Intermediate	24,102		24,102	West Texas Cementers, 8 5/8" Casing				
	Cementing Production / Liner	-		-					
Surface Rental Tools		Previous	Daily	Cumulative	Company		Start	Release	# Days
WellSite Housing		7,097	360	7,457	Tan-Mar \$360 Day		6/3/2022		11
Rig Communications		1,950	170	2,120	Enercom \$170/Day		6/3/2022		11
Pason System		4,883	567	5,450					-
3 Light Towers		1,500	150	1,650	Kudu Services \$150		6/3/2022		11
Cooling Trailer		-		-					-
Rotating Head		-		-					-
Open Top Tanks		900	100	1,000	West Texas Premix		6/3/2022		11
Hyd Choke		1,400	200	1,600	Iron Horse		6/6/2022		8
Porta Johns/Trash Trailer		600	60	660	Kudu Services \$60 Day		6/3/2022		11
20" Spacer Spool/40 Bolts		455		455	BOP Ram		6/6/2022	6/9/2022	4
2-4X4 Trash/Water Pump w/ Hose		1,350	150	1,500	West Texas Premix		6/3/2022		11
400 bbl Pr_Mix Pit		2,725	275	3,000	West Texas Premix		6/3/2022		11
Forklift		2,000	200	2,200	Kudu Services		6/3/2022		11
Frac Tanks (7)		2,175	175	2,350	West Texas Premix		6/3/2022		11
Excavator		3,000	375	3,375			6/4/2022		10
Cannon Safety (H2S) Package		800		800			6/3/2022	6/12/2022	10
Total Rental Tools		30,835	2,782	33,617					
Code	Tangibles - Drilling								
9401	Surface Casing	31,451		31,451	690' 13 3/8" Casing @ \$45.58 Per/Ft				
9401	Intermediate Casing	66,378		66,378	2,220' f 8 5/8" 32#, J-55 @ \$29.90 Per/Ft				
9490	Float Equipment / DV Tool	9,595		9,595	Citadel 8 5/8" Float Equipment				
9404	Wellhead Equipment (Drilling)	8,200		8,200	A & B Sections				
Code	Tangibles - Completion								
9402	Production Casing / Liner	-	105,094	105,094	5,620' 5 ½" 17# J LTC – \$18.70 /Ft				
	Liner Hanger / PBR	-		-					
	Open Hole Packer System / Toe Sleeves	-		-					
9490	Float Equipment (Prod String)	-	7,970	7,970	Citadel 5 1/2" Float Equipment				
	Tubing Head (Completion)	-		-					
Total Drilling Intangible Costs		644,619	88,983	733,602					
Total Drilling Tangible Costs		115,624	-	115,624					
Taxes/Misc	10.00%	76,024	8,898	84,923					
Total Completion Costs (+ 10%)		-	124,370	124,370					
Total Cost		794,685	222,252	1,016,937					

[illegible]

Well Cost Summary - Total					\$	794,685			
Date:					6/12/2022	Day:	10		
Code	Intangible Costs	Previous	Daily	Cumulative	Comments / Company				
Location Charges									
9207	Legal Fees / Leasing / Plats	-		-					
9220	Insurance	-		-					
9211	Build Location/Restore Location	62,000		62,000					
	Mousehole / Conductor	12,500		12,500	Byrd Oilfield Service				
9211	Location Repair / Rock	-		-					
Rig Mobilization Costs									
	Rig Mob Costs - Trucking	90,000		90,000	Hooper Trucking				
9230	Drilling Daywork During Mob and RU	15,500		15,500	Phoenix Drilling Company				
	Trucking - Drill Pipe (if separate)	-		-					
Daily Rig and Mud Costs									
9202	Drilling Contractor Daywork	124,000	15,500	139,500	Phoenix Drilling Company				
9224	Diesel Fuel - Rig	35,347		35,347	7,256 Gal @ \$4.58 per/gal. Rolfson Oil				
9209	Drilling Fluids and LCM	15,681	8,193	23,874	New Park Drilling Fluids				
	Diesel - OBM Base Fluid	-		-					
	ABO / Lubricants / Beads	-		-					
9228	Mud Logging / Formation Evaluation	4,200		4,200	Morco Mudloggers.				
9222	Supervision / Consulting	14,400	1,600	16,000	Crescent Consulting.				
	Trucking Mud To Disposal	3,073		3,073	Franco's Trucking.				
9209	Water Brine/Fresh Water	26,331		26,331	Franco Trucking				
1010	Surface Rental Equipment	27,888	2,947	30,835	Details Listed Below				
Downhole Rental Equipment									
9212	Rental Drill Pipe / Handling Tools	-		-					
9219	IBS, Reamers, Bit Subs	-		-					
9219	Agitators, Shock Subs,	1,200		1,200	JA Oilfield Shock Sub/Bit Sub				
9219	Jars	-		-					
9219	Bits	17,881		17,881	Varel 11" VION 516S Ser: 9004600.				
Directional Drilling Costs									
	Directional / Mud Motor	21,980	9,670	31,650	True Shot \$130/Hr				
	Directional Drilling Standby Charges	-		-					
	Teledrift / Survey Equipment	-		-					
	Gyro	-		-					
	Cement Whipstock	-		-					
	Open Hole Whipstock / Equipment	-		-					
Miscellaneous - One Time Costs - Service Calls									
9215	Trucking / Hotshots	7,175		7,175	Float Equip, BHA, Wellhead				
	RD Chokes / Flare Line	-		-					
	Mud Disposal / Soil Farming	34,800		34,800	Solids Haul Off Daily 3 Total 5				
	BOP Testing / NU Crews	7,815		7,815	BOP Ram, Test BOP				
9206	Contract Labor & Service Calls	10,123		10,123	Forklift Operator				
9217	Drill Pipe Inpsection	-		-					
	Camp Water And Sewer Haul Off	750		750					
	Materials / Supplies / Screens	-		-					
Casing and Cementing Services									
9217	Casing Inspection	6,807		6,807	Inspect CVD 5 1/2" Casing				
9218	Casing Crews / Torque Turn	16,965		16,965	Southern Connection Run 8 5/8" Cassing				
	PU / LD Machine	-		-					
	Cementing Surface	26,191		26,191	West Texas Cementers, 13 3/8" Casing				
	Cementing Intermediate	24,102		24,102	West Texas Cementers, 8 5/8" Casing				
	Cementing Production / Liner	-		-					
Surface Rental Tools		Previous	Daily	Cumulative	Company		Start	Release	# Days
WellSite Housing		6,737	360	7,097	Tan-Mar \$360 Day		6/3/2022		10
Rig Communications		1,780	170	1,950	Enercom \$170/Day		6/3/2022		10
Pason System		4,316	567	4,883					-
3 Light Towers		1,350	150	1,500	Kudu Services \$150		6/3/2022		10
Cooling Trailer		-		-					-
Rotating Head		-		-					-
Open Top Tanks		800	100	900	West Texas Premix		6/3/2022		10
Hyd Choke		1,200	200	1,400	Iron Horse		6/6/2022		7
Porta Johns/Trash Trailer		540	60	600	Kudu Services \$60 Day		6/3/2022		10
20" Spacer Spool/40 Bolts		390	65	455	BOP Ram		6/6/2022		7
2-4X4 Trash/Water Pump w/ Hose		1,200	150	1,350	West Texas Premix		6/3/2022		10
400 bbl Pr_Mix Pit		2,450	275	2,725	West Texas Premix		6/3/2022		10
Forklift		1,800	200	2,000	Kudu Services		6/3/2022		10
Frac Tanks (7)		2,000	175	2,175	West Texas Premix		6/3/2022		10
Excavator		2,625	375	3,000			6/4/2022		9
Cannon Safety (H2S) Package		700	100	800			6/3/2022		10
Total Rental Tools		27,888	2,947	30,835					
Code	Tangibles - Drilling								
9401	Surface Casing	31,451		31,451	690' 13 3/8" Casing @ \$45.58 Per/Ft				
9401	Intermediate Casing	66,378		66,378	2,220' f 8 5/8" 32#, J-55 @ \$29.90 Per/Ft				
9490	Float Equipment / DV Tool	9,595		9,595	Citadel 8 5/8" Float Equipment				
9404	Wellhead Equipment (Drilling)	8,200		8,200	A & B Sections				
Code	Tangibles - Completion								
9402	Production Casing / Liner	-		-					
	Liner Hanger / PBR	-		-					
	Open Hole Packer System / Toe Sleeves	-		-					
	Float Equipment (Prod String)	-		-					
	Tubing Head (Completion)	-		-					
Total Drilling Intangible Costs		606,709	37,910	644,619					
Total Drilling Tangible Costs		115,624	-	115,624					
Taxes/Misc	10.00%	72,233	3,791	76,024					
Total Completion Costs (+ 10%)		-	-	-					
Total Cost		752,984	41,701	794,685					

Manzanita Operating, LLC



DAILY REPORT - 9, DRILLING DAY - 8															
Operator	Manzanita Operating, LLC			Report No.	9		Formation	Delaware		Current Depth (ft)	5,620'				
Date	6/11/2022			WI%	100%		Project	Wildcat		24 Hr Footage (ft)	1,120'				
Well Name	Rainmaker Fed #1			NRI %	100%		AFE Days	12		Avg ROP (ft/hr)	47.7				
Rig Name	Phoenix Rig 101			Drilling AFE	\$ 880,715		Spud Date	6/3/2021		Rotate Drilling Hrs	23.5				
State	New Mexico			Total AFE	\$ 1,460,435		Rig Rel. Date			Slide Drilling Hrs					
County	Eddy			DWC	\$ 30,931		Planned TD	5,600'		Avg WOB (klb)	15				
SHL Legals	SHL: 660' FSL & 1,980' FEL, Sec. 5 T19S R31E			CWC	\$ 752,984		PBHL TVD	0'		Avg RPM	50				
API No.	30-015-49490			DMC	\$ 900		Current VS			Avg Flow Rate (GPM)	375				
Project Lead	Scott Panthaky			CMC	\$ 19,881		Left to TD	-20'		Avg SPP (psi)	1,150				
24 Hour Summary		Rotate Drill f/ 4,500' - 5,620', Circulate And Condition Hole For Open Hole Logs													
Planned Activity		TOH and Log													
Wellbore Issue(s)		None													
Operations Time Log															
From	To	Total	Depth End	Comment											
06:00	05:30	23.5	5,620	Rot Drill F/4,500' T/5,620' (1,120'@ 47fph), WOB-15k, RPM-55, TQ-45k, 91 SPM@ 372 GPM, MRPM-122, SPP-1150, Diff-200											
05:30	06:00	0.5	5,620	Circulate And Condition Hole For Open Hole Logs											
				Abiy Sisay w/ BLM Inspected Paper Work 18:30 6/10/22 No Issus.											
Mud Report											Mud Company-->		Newpark		
Density	Vis	PV	YP	3 RPM	6 RPM	FL / HTHP	Filter Cake	pH	Solids	HGS	LGS				
9.6	40	7	20	17	18		1.00	8.50	10.00		7.40				
LCM	Water Loss	Gel	Oil / H2O %	Sand %	CaCl	Chlorides	Pit Vol	Syst. Vol	Daily Mud Loss	Cum Mud Lost					
	14	15/17/19		Tr	3,840	34,000	475		0	0					
Time Log Distribution				BHA Components											
Activity	Previous	Daily	Cumm	# Jts	Component Description			Wts	OD	ID	Length				
Rig Mob	31.00		31.00	1	7 7/8" Varel HAVOX				7 7/8"		1.00'				
Drill - Rotate	65.50	23.50	89.00	1	Motor 7/8 4.0 1.50° Fixed .33 RPG				6"	2.5"	2.47'				
Drill - Slide	7.00	-	7.00	1	6" Monell Drill Collar				6"	2 1/3	27.41'				
Trip Time	12.50		12.50	1	UBHO Sub				6"	2.25"	25.02'				
Survey	-		-	12	6" Drill Collars				6"	2.25"	494.95				
Serv Rig	-		-												
Circ & Cond	6.00	0.50	6.50												
Wash & Ream	-		-												
RU Equip	0.50		0.50												
PU / LD	5.50		5.50	Motor Details - Current					Total RPM		110				
Run Csg	13.00		13.00	Size	Bend Type	Bend Setting	Bit-to-Bend (in)	Lobe Con.	Stages	Rev / gal					
Cement	3.00		3.00	6"	Fixed	1.50°	4.52	7/8	4	0.16					
WOC	4.00		4.00	Motor Details - Previous					Total RPM		110				
NU BOP / WH	17.00		17.00	Size	Bend Type	Bend Setting	Bit-to-Bend (in)	Lobe Con.	Stages	Rev / gal					
Press Test	10.00		10.00	8"	ADJ	1.83°	6.75'	7/8	4	0.16					
Cut & Slip	-		-	Bit Data - Current											
Logging	-		-	No.	Type	Size	Model	S/N	In	Out	ROP	Hrs	Grade		
MWD Trouble	3.00		3.00	3	HAVOX	7 7/8"	VAR 1.531	4013229	2,230	5,620	52.2	65			
Fish / Work Pipe	-		-	Bit Data - Previous											
Clean Rig / Pits	-		-	No.	Type	Size	Model	S/N	In	Out	ROP	Hrs	Grade		
Other	11.00		11.00	2	ION 616	11"	VAR 1.531	9004600	688'	2,230	79.1	19.5	2-2-Wt-A X-I-No-TD		
NPT / Top Drive	-		-	Casing Strings									Cement		
NPT / Pumps	-		-	No.	Casing Desc		Size	Grade	Wt.	Conn.	Top	Bottom	Cu. Ft	TOC	
NPT / Rig Power	3.00		3.00	1	Surface		13 3/8"	H-40	48.0	STC		688	940.3	0'	
NPT / Misc	-		-	2	Intermediate		8 5/8"	J55	32.0	LTC		2230	1,040	0'	
Total Rig NPT	3.00	-	3.00	3											
Total Hours	192.00	24.00	216.00	4											
BHA Weights		Gas Shows		Survey Information					Directional Co-->		TrueShot				
BHA Wt		BG Gas	583	MD	Inc	Azm	TVD	N/S	E/W	VS	DLS	Method			
DP Wt		Conn. Gas	897	5,104	0.53	208.62	5101.56	53.19	45.96	-53.19	0.11	MWD			
Str Wt - Rot	135,000	Trip Gas	0	5,198	0.62	215.30	5195.65	53.99	45.45	-53.99	0.12	MWD			
Pick Up	140,000	Lithology	Percent	5,292	0.70	206.24	5289.65	54.92	44.91	-54.92	0.14	MWD			
Slack Off	130,000	Dolomite	100%	5,387	0.79	202.02	5384.64	56.04	44.40	-56.04	0.11	MWD			
Drag		Sand		5,482	0.66	205.10	5479.63	57.15	43.93	-57.15	0.14	MWD			
Torque		Shale		5,576	0.70	210.29	5573.63	58.13	43.41	-58.13	0.04	MWD			
Rig Contacts				Job Supplies				Previous		Daily		Cum			
Name		Title		Contact No.		Item	Type	Units	On Hand	Rec	Used	Rec	Used	Rec	Used
Phoenix Rig 101		Co Man Office		(432) 770-5805		Diesel	Fuel	bbl	5,779	7256	3629		806	7256	4435
Ricky Keith		Company Man		(806) 231-3477		Diesel	Mud	bbl		0	0			0	0
Scott Panthaky		Manzanita Office		(432) 349-3096		Water	Rig	bbl		0	0			0	0
Phillip Coffey		Mud Engineer		(601) 248-7189						0	0			0	0
						Diesel	Rig	Arrived	3,693	0	0			0	0
				EHS & Accidents											
				Time		# Injured		Incident Type		Type of Event		Report Email (Y/N)			
				Comment Details											

Well Cost Summary - Total					\$	752,984			
Date:					6/11/2022	Day:	9		
Code	Intangible Costs	Previous	Daily	Cumulative	Comments / Company				
Location Charges									
9207	Legal Fees / Leasing / Plats	-		-					
9220	Insurance	-		-					
9211	Build Location/Restore Location	62,000		62,000					
	Mousehole / Conductor	12,500		12,500	Byrd Oilfield Service				
9211	Location Repair / Rock	-		-					
Rig Mobilization Costs									
	Rig Mob Costs - Trucking	90,000		90,000	Hooper Trucking				
9230	Drilling Daywork During Mob and RU	15,500		15,500	Phoenix Drilling Company				
	Trucking - Drill Pipe (if separate)	-		-					
Daily Rig and Mud Costs									
9202	Drilling Contractor Daywork	108,500	15,500	124,000	Phoenix Drilling Company				
9224	Diesel Fuel - Rig	35,347		35,347	7,256 Gal @ \$4.58 per/gal. Rolfson Oil				
9209	Drilling Fluids and LCM	15,681		15,681	New Park Drilling Fluids				
	Diesel - OBM Base Fluid	-		-					
	ABO / Lubricants / Beads	-		-					
9228	Mud Logging / Formation Evaluation	3,300	900	4,200	Morco Mudloggers.				
9222	Supervision / Consulting	12,800	1,600	14,400	Crescent Consulting.				
	Trucking Mud To Disposal	3,073		3,073	Franco's Trucking				
9209	Water Brine/Fresh Water	26,331		26,331	Franco Trucking				
1010	Surface Rental Equipment	23,884	4,004	27,888	Details Listed Below				
Downhole Rental Equipment									
9212	Rental Drill Pipe / Handling Tools	-		-					
9219	IBS, Reamers, Bit Subs	-		-					
9219	Agitators, Shock Subs,	1,200		1,200	JA Oilfield Shock Sub/Bit Sub				
9219	Jars	-		-					
9219	Bits	17,881		17,881	Varel 11" VION 516S Ser: 9004600.				
Directional Drilling Costs									
	Directional / Mud Motor	17,395	4,585	21,980	True Shot \$130/Hr				
	Directional Drilling Standby Charges	-		-					
	Teledrift / Survey Equipment	-		-					
	Gyro	-		-					
	Cement Whipstock	-		-					
	Open Hole Whipstock / Equipment	-		-					
Miscellaneous - One Time Costs - Service Calls									
9215	Trucking / Hotshots	7,175		7,175	Float Equip, BHA, Wellhead				
	RD Chokes / Flare Line	-		-					
	Mud Disposal / Soil Farming	34,800		34,800	Solids Haul Off Daily 3 Total 5				
	BOP Testing / NU Crews	7,815		7,815	BOP Ram, Test BOP				
9206	Contract Labor & Service Calls	9,343	780	10,123	Forklift Operator				
9217	Drill Pipe Inpsection	-		-					
	Camp Water And Sewer Haul Off	-	750	750					
	Materials / Supplies / Screens	-		-					
Casing and Cementing Services									
9217	Casing Inspection	6,807		6,807	Inspect CVD 5 1/2" Casing				
9218	Casing Crews / Torque Turn	16,965		16,965	Southern Connection Run 8 5/8" Cassing				
	PU / LD Machine	-		-					
	Cementing Surface	26,191		26,191	West Texas Cementers, 13 3/8" Casing				
	Cementing Intermediate	24,102		24,102	West Texas Cementers, 8 5/8" Casing				
	Cementing Production / Liner	-		-					
Surface Rental Tools		Previous	Daily	Cumulative	Company		Start	Release	# Days
WellSite Housing		5,320	1,417	6,737	Tan-Mar \$360 Day		6/3/2022		9
Rig Communications		1,610	170	1,780	Enercom \$170/Day		6/3/2022		9
Pason System		3,749	567	4,316					-
3 Light Towers		1,200	150	1,350	Kudu Services \$150		6/3/2022		9
Cooling Trailer		-		-					-
Rotating Head		-		-					-
Open Top Tanks		700	100	800	West Texas Premix		6/3/2022		9
Hyd Choke		1,000	200	1,200	Iron Horse		6/6/2022		6
Porta Johns/Trash Trailer		480	60	540	Kudu Services \$60 Day		6/3/2022		9
20" Spacer Spool/40 Bolts		325	65	390	BOP Ram		6/6/2022		6
2-4X4 Trash/Water Pump w/ Hose		1,050	150	1,200	West Texas Premix		6/3/2022		9
400 bbl Pr_Mix Pit		2,175	275	2,450	West Texas Premix		6/3/2022		9
Forklift		1,600	200	1,800	Kudu Services		6/3/2022		9
Frac Tanks (7)		1,825	175	2,000	West Texas Premix		6/3/2022		9
Excavator		2,250	375	2,625			6/4/2022		8
Cannon Safety (H2S) Package		600	100	700			6/3/2022		9
Total Rental Tools		23,884	4,004	27,888					
Code	Tangibles - Drilling								
9401	Surface Casing	31,451		31,451	690' 13 3/8" Casing @ \$45.58 Per/Ft				
9401	Intermediate Casing	66,378		66,378	2,220' f 8 5/8" 32#, J-55 @ \$29.90 Per/Ft				
9490	Float Equipment / DV Tool	9,595		9,595	Citadel 8 5/8" Float Equipment				
9404	Wellhead Equipment (Drilling)	8,200		8,200	A & B Sections				
Code	Tangibles - Completion								
9402	Production Casing / Liner	-		-					
	Liner Hanger / PBR	-		-					
	Open Hole Packer System / Toe Sleeves	-		-					
	Float Equipment (Prod String)	-		-					
	Tubing Head (Completion)	-		-					
Total Drilling Intangible Costs		578,590	28,119	606,709					
Total Drilling Tangible Costs		115,624	-	115,624					
Taxes/Misc	10.00%	69,421	2,812	72,233					
Total Completion Costs (+ 10%)		-	-	-					
Total Cost		722,053	30,931	752,984					

Released to Imaging: 11/17/2022 9:31:10 AM

Well Cost Summary - Total					\$	722,053		
Date: 6/10/2022					Day: 8			
Code	Intangible Costs	Previous	Daily	Cumulative	Comments / Company			
Location Charges								
9207	Legal Fees / Leasing / Plats	-		-				
9220	Insurance	-		-				
9211	Build Location/Restore Location	62,000		62,000				
	Mousehole / Conductor	12,500		12,500	Byrd Oilfield Service			
9211	Location Repair / Rock	-		-				
Rig Mobilization Costs								
	Rig Mob Costs - Trucking	90,000		90,000	Hooper Trucking			
9230	Drilling Daywork During Mob and RU	15,500		15,500	Phoenix Drilling Company			
	Trucking - Drill Pipe (if separate)	-		-				
Daily Rig and Mud Costs								
9202	Drilling Contractor Daywork	93,000	15,500	108,500	Phoenix Drilling Company			
9224	Diesel Fuel - Rig	35,347		35,347	7,256 Gal @ \$4.58 per/gal. Rolfson Oil			
9209	Drilling Fluids and LCM	13,387	2,294	15,681	New Park Drilling Fluids			
	Diesel - OBM Base Fluid	-		-				
	ABO / Lubricants / Beads	-		-				
9228	Mud Logging / Formation Evaluation	2,400	900	3,300	Morco Mudloggers.			
9222	Supervision / Consulting	11,200	1,600	12,800	Crescent Consulting.			
	Trucking Mud To Disposal	-	3,073	3,073	Franco's Trucking			
9209	Water Brine/Fresh Water	19,500	6,831	26,331	Franco Trucking			
1010	Surface Rental Equipment	20,937	2,947	23,884	Details Listed Below			
Downhole Rental Equipment								
9212	Rental Drill Pipe / Handling Tools	-		-				
9219	IBS, Reamers, Bit Subs	-		-				
9219	Agitators, Shock Subs,	1,200		1,200	JA Oilfield Shock Sub/Bit Sub			
9219	Jars	-		-				
9219	Bits	17,881		17,881	Varel 11" VION 516S Ser: 9004600			
Directional Drilling Costs								
	Directional / Mud Motor	12,810	4,585	17,395	True Shot \$130/Hr			
	Directional Drilling Standby Charges	-		-				
	Teledrift / Survey Equipment	-		-				
	Gyro	-		-				
	Cement Whipstock	-		-				
	Open Hole Whipstock / Equipment	-		-				
Miscellaneous - One Time Costs - Service Calls								
9215	Trucking / Hotshots	2,025	5,150	7,175	Float Equip, BHA, Wellhead			
	RD Chokes / Flare Line	-		-				
	Mud Disposal / Soil Farming	34,800		34,800	Solids Haul Off Daily 3 Total 5			
	BOP Testing / NU Crews	7,815		7,815	BOP Ram, Test BOP			
9206	Contract Labor & Service Calls	5,920	3,423	9,343	Franco's Trucking Working On Location			
9217	Drill Pipe Inpsection	-		-				
	Camp Water And Sewer Haul Off	-		-				
	Materials / Supplies / Screens	-		-				
Casing and Cementing Services								
9217	Casing Inspection	4,675	2,132	6,807	Inspect CVD 5 1/2" Casing			
9218	Casing Crews / Torque Turn	16,965		16,965	Southern Connection Run 8 5/8" Cassing			
	PU / LD Machine	-		-				
	Cementing Surface	26,191		26,191	West Texas Cementers, 13 3/8" Casing			
	Cementing Intermediate	24,102		24,102	West Texas Cementers, 8 5/8" Casing			
	Cementing Production / Liner	-		-				
Surface Rental Tools		Previous	Daily	Cumulative	Company	Start	Release	# Days
WellSite Housing		4,960	360	5,320	Tan-Mar \$360 Day	6/3/2022		8
Rig Communications		1,440	170	1,610	Enercom \$170/Day	6/3/2022		8
Pason System		3,182	567	3,749				-
3 Light Towers		1,050	150	1,200	Kudu Services \$150	6/3/2022		8
Cooling Trailer		-		-				-
Rotating Head		-		-				-
Open Top Tanks		600	100	700	West Texas Premix	6/3/2022		8
Hyd Choke		800	200	1,000	Iron Horse	6/6/2022		5
Porta Johns/Trash Trailer		420	60	480	Kudu Services \$60 Day	6/3/2022		8
20" Spacer Spool/40 Bolts		260	65	325	BOP Ram	6/6/2022		5
2-4X4 Trash/Water Pump w/ Hose		900	150	1,050	West Texas Premix	6/3/2022		8
400 bbl Pr_Mix Pit		1,900	275	2,175	West Texas Premix	6/3/2022		8
Forklift		1,400	200	1,600	Kudu Services	6/3/2022		8
Frac Tanks (7)		1,650	175	1,825	West Texas Premix	6/3/2022		8
Excavator		1,875	375	2,250		6/4/2022		7
Cannon Safety (H2S) Package		500	100	600		6/3/2022		8
Total Rental Tools		20,937	2,947	23,884				
Code	Tangibles - Drilling							
9401	Surface Casing	31,451		31,451	690' 13 3/8" Casing @ \$45.58 Per/Ft			
9401	Intermediate Casing	66,378		66,378	2,220' f 8 5/8" 32#, J-55 @ \$29.90 Per/Ft			
9490	Float Equipment / DV Tool	9,595		9,595	Citadel 8 5/8" Float Equipment			
9404	Wellhead Equipment (Drilling)	8,200		8,200	A & B Sections			
Code	Tangibles - Completion							
9402	Production Casing / Liner	-		-				
	Liner Hanger / PBR	-		-				
	Open Hole Packer System / Toe Sleeves	-		-				
	Float Equipment (Prod String)	-		-				
	Tubing Head (Completion)	-		-				
Total Drilling Intangible Costs		530,155	48,435	578,590				
Total Drilling Tangible Costs		115,624	-	115,624				
Taxes/Misc	10.00%	64,578	4,844	69,421				
Total Completion Costs (+ 10%)		-	-	-				
Total Cost		668,775	53,279	722,053				

Released to Imaging: 11/17/2022 9:31:10 AM

Well Cost Summary - Total					\$	668,775		
Date:					6/9/2022	Day:	7	
Code	Intangible Costs	Previous	Daily	Cumulative	Comments / Company			
Location Charges								
9207	Legal Fees / Leasing / Plats	-		-				
9220	Insurance	-		-				
9211	Build Location/Restore Location	62,000		62,000				
	Mousehole / Conductor	12,500		12,500	Byrd Oilfield Service			
9211	Location Repair / Rock	-		-				
Rig Mobilization Costs								
	Rig Mob Costs - Trucking	90,000		90,000	Hooper Trucking			
9230	Drilling Daywork During Mob and RU	15,500		15,500	Phoenix Drilling Company			
	Trucking - Drill Pipe (if separate)	-		-				
Daily Rig and Mud Costs								
9202	Drilling Contractor Daywork	77,500	15,500	93,000	Phoenix Drilling Company			
9224	Diesel Fuel - Rig	35,347		35,347	7,256 Gal @ \$4.58 per/gal. Rolfson Oil			
9209	Drilling Fluids and LCM	6,644	6,743	13,387	New Park Drilling Fluids			
	Diesel - OBM Base Fluid	-		-				
	ABO / Lubricants / Beads	-		-				
9228	Mud Logging / Formation Evaluation	1,500	900	2,400	Morco Mudloggers.			
9222	Supervision / Consulting	9,600	1,600	11,200	Crescent Consulting.			
	Project Management / Engineer	-		-				
9209	Water Brine/Fresh Water	16,000	3,500	19,500	Franco Trucking			
1010	Surface Rental Equipment	17,990	2,947	20,937	Details Listed Below			
Downhole Rental Equipment								
9212	Rental Drill Pipe / Handling Tools	-		-				
9219	IBS, Reamers, Bit Subs	-		-				
9219	Agitators, Shock Subs,	1,200		1,200	JA Oilfield Shock Sub/Bit Sub			
9219	Jars	-		-				
9219	Bits	17,881		17,881	Varel 11" VION 516S Ser: 9004600			
Directional Drilling Costs								
	Directional / Mud Motor	8,225	4,585	12,810	True Shot \$130/Hr			
	Directional Drilling Standby Charges	-		-				
	Teledrift / Survey Equipment	-		-				
	Gyro	-		-				
	Cement Whipstock	-		-				
	Open Hole Whipstock / Equipment	-		-				
Miscellaneous - One Time Costs - Service Calls								
9215	Trucking / Hotshots	2,025		2,025	Float Equip, BHA, Wellhead			
	RD Chokes / Flare Line	-		-				
	Mud Disposal / Soil Farming	34,800		34,800	Solids Haul Off Daily 3 Total 5			
	BOP Testing / NU Crews	7,815		7,815	BOP Ram, Test BOP			
9206	Contract Labor & Service Calls	5,920		5,920	Install 8 5/8" Casing Slips			
9217	Drill Pipe Inpsection	-		-				
	Camp Water And Sewer Haul Off	-		-				
	Materials / Supplies / Screens	-		-				
Casing and Cementing Services								
9217	Casing Inspection	4,675		4,675	Inspect CVD 8 5/8" Casing			
9218	Casing Crews / Torque Turn	16,965		16,965	Southern Connection Run 8 5/8" Cassing			
	PU / LD Machine	-		-				
	Cementing Surface	26,191		26,191	West Texas Cementers, 13 3/8" Casing			
	Cementing Intermediate	24,102		24,102	West Texas Cementers, 8 5/8" Casing			
	Cementing Production / Liner	-		-				
Surface Rental Tools		Previous	Daily	Cumulative	Company	Start	Release	# Days
WellSite Housing		4,600	360	4,960	Tan-Mar \$360 Day	6/3/2022		7
Rig Communications		1,270	170	1,440	Enercom \$170/Day	6/3/2022		7
Pason System		2,615	567	3,182				-
3 Light Towers		900	150	1,050	Kudu Services \$150	6/3/2022		7
Cooling Trailer		-		-				-
Rotating Head		-		-				-
Open Top Tanks		500	100	600	West Texas Premix	6/3/2022		7
Hyd Choke		600	200	800	Iron Horse	6/6/2022		4
Porta Johns/Trash Trailer		360	60	420	Kudu Services \$60 Day	6/3/2022		7
20" Spacer Spool/40 Bolts		195	65	260	BOP Ram	6/6/2022		4
2-4X4 Trash/Water Pump w/ Hose		750	150	900	West Texas Premix	6/3/2022		7
400 bbl Pr_Mix Pit		1,625	275	1,900	West Texas Premix	6/3/2022		7
Forklift		1,200	200	1,400	Kudu Services	6/3/2022		7
Frac Tanks (7)		1,475	175	1,650	West Texas Premix	6/3/2022		7
Excavator		1,500	375	1,875		6/4/2022		6
Cannon Safety (H2S) Package		400	100	500		6/3/2022		7
Total Rental Tools		17,990	2,947	20,937				
Code	Tangibles - Drilling							
9401	Surface Casing	31,451		31,451	690' 13 3/8" Casing @ \$45.58 Per/Ft			
9401	Intermediate Casing	66,378		66,378	2,220' f 8 5/8" 32#, J-55 @ \$29.90 Per/Ft			
9490	Float Equipment / DV Tool	9,595		9,595	Citadel 8 5/8" Float Equipment			
9404	Wellhead Equipment (Drilling)	8,200		8,200	A & B Sections			
Code	Tangibles - Completion							
9402	Production Casing / Liner	-		-				
	Liner Hanger / PBR	-		-				
	Open Hole Packer System / Toe Sleeves	-		-				
	Float Equipment (Prod String)	-		-				
	Tubing Head (Completion)	-		-				
Total Drilling Intangible Costs		494,380	35,775	530,155				
Total Drilling Tangible Costs		115,624	-	115,624				
Taxes/Misc	10.00%	61,000	3,578	64,578				
Total Completion Costs (+ 10%)		-	-	-				
Total Cost		629,422	39,353	668,775				



Manzanita Operating, LLC															
DAILY REPORT - 6, DRILLING DAY - 5															
Operator	Manzanita Operating, LLC			Report No.	6		Formation	Delaware		Current Depth (ft)	2,230'				
Date	6/8/2022			WI%	100%		Project	Wildcat		24 Hr Footage (ft)					
Well Name	Rainmaker Fed #1			NRI %	100%		AFE Days	12		Avg ROP (ft/hr)	-				
Rig Name	Phoenix Rig 101			Drilling AFE	\$ 880,715		Spud Date	6/3/2021		Rotate Drilling Hrs					
State	New Mexico			Total AFE	\$ 1,460,435		Rig Rel. Date			Slide Drilling Hrs					
County	Eddy			DWC	\$ 175,955		Planned TD	5,600'		Avg WOB (klb)					
SHL Legals	SHL: 660' FSL & 1,980' FEL, Sec. 5 T19S R31E			CWC	\$ 629,422		PBHL TVD	0'		Avg RPM					
API No.	30-015-49490			DMC	\$ 1,500		Current VS			Avg Flow Rate (GPM)					
Project Lead	Scott Panthaky			CMC	\$ 8,144		Left to TD	3,370'		Avg SPP (psi)					
24 Hour Summary		Run 8 5/8" Casing, Cement Casing, Nipple Down , Set Slips, Nipple Up BOP, Test, Pick Up BHA, MWD Failed WO MWD													
Planned Activity		Finished Picking Up BHA And TIH, Drill Float Equipment, Drill Formation To Casing Point													
Wellbore Issue(s)		Notified BLM For Upcoming BOP Test, Talked to Abiy Sisay 13:00 6/7/22													
Operations Time Log															
From	To	Total	Depth End	Comment											
06:00	10:00	4.0	2,230'	Finish Running 8 5/8" Casing As Follows : Guide Shoe, 1 Joint 32.0# J-55 8 5/8" Casing											
				Float Collar, 53 Joints Of 32.0# J-55 8 5/8" LTC Casing (Total Pipe 2,222.07'), Casing Set @ 2,222'											
10:00	12:00	2.0	2,230'	Circulate And Condition Hole For Cement Job											
12:00	12:30	0.5	2,230'	Safety Meeting w/ All Crews On Location, Rig Up Cementers											
12:30	14:30	2.0	2,230'	Cement 8 5/8" Casing As Follows: Test Lines, 3,000psi, Pump 25 BBLs Fresh Water Spacer Lead:											
				400 sks of 35% B_Poz+65% Class C+6% Gel+5% SALT+3PPS Gilsonite+0.25PPS Pol-E-Flake+0.005GPS NoFoam V1A											
				12.8 ppg, 1.93 Yield10.15 GPS, 137.5 BBL's											
				Tail: 100% Class C+1% CaCl2+0.25PPS Pol-E-Flake+0.005GPS NoFoam V1A, 14.8 ppg, 1.34 Yield, 6.36 GPS, 47.7 BBL's											
				Displace w/ 132.4 BBL's Fresh Water, Bumped Plug, Floats Held, 33 BBL's Good Cement Back To Surface											
14:30	16:30	2.0	2,230'	Nipple Down BOP At Spacer Spool, Pick Up BOP, Set Slips On 8 5/8" Casing, Weight Set On Slips 100K											
16:30	18:30	2.0	2,230	Remove Spacer Spool, Install "B" Section, Test To 1,500psi											
18:30	23:30	5.0	2,230'	Set BOP Back Down, Nipple Up BOP, And Test BOP As Per BLM Specs OOGO2.III.A.2.i											
				Annular 1,500psi High, 250psi Low, Blinds 3k High, 250psi Low, Pipe Rams 3k High, 250psi Low											
23:30	24:00	0.5	2,230'	Test 8 5/8" Casing To 1,500 psi (Good Test)											
24:00	02:00	2.0	2,330'	Install Flowline, Center Up BOP, Load Rackw/ BHA											
02:00	03:00	1.0	2,330'	Pick Up New Bit, Motor, Monel Collar, Scribe MWD, Test MWD (MWD Failed)											
03:00	06:00	3.0		Wait On New MWD Tool											
				BLM Not On Location For BOP Test											
Mud Report										Mud Company-->		Newpark			
Density	Vis	PV	YP	3 RPM	6 RPM	FL / HTHP	Filter Cake	pH	Solids	HGS	LGS				
8.4	26	1	1	1	1			8.50							
LCM	Elec Stab	Gel	Oil / H2O %	Sand %	CaCl	Chlorides	Pit Vol	Syst. Vol	Daily Mud Loss	Cum Mud Lost					
									0	0					
Time Log Distribution				BHA Components											
Activity	Previous	Daily	Cumm	# Jts	Component Description			Wts	OD	ID	Length				
Rig Mob	31.00		31.00	1	7 7/8" Varel HAVOX				7 7/8"		1.00'				
Drill - Rotate	27.00	-	27.00	1	Motor 7/8 4.0 1.50° Fixed .				6"	2.5"	2.47'				
Drill - Slide	4.00	-	4.00	1	6" Monell Drill Collar				6"	2 1/3	27.41'				
Trip Time	8.00		8.00	1	UBHO Sub				6"	2.25"	25.02'				
Survey	-		-	12	6" Drill Collars				6"	2.25"	494.95				
Serv Rig	-		-												
Circ & Cond	4.00	2.00	6.00												
Wash & Ream	-		-												
RU Equip	-	0.50	0.50												
PU / LD	4.50	1.00	5.50												
Run Csg	9.00	4.00	13.00		Size	Bend Type	Bend Setting	Bit-to-Bend (in)	Lobe Con.	Stages	Rev / gal				
Cement	1.00	2.00	3.00		6"	Fixed	1.50°	6.75'	7/8	4	0.16				
WOC	4.00		4.00												
NU BOP / WH	13.00	4.00	17.00		Size	Bend Type	Bend Setting	Bit-to-Bend (in)	Lobe Con.	Stages	Rev / gal				
Press Test	4.00	5.50	9.50		8"	ADJ	1.83°	6.75'	7/8	4	0.16				
Cut & Slip	-		-												
Logging	-		-	No.	Type	Size	Model	S/N	In	Out	ROP	Hrs	Grade		
MWD Trouble	-	3.00	3.00	3	HAVOX	7 7/8"	VAR 1.531	4013229	2,230						
Fish / Work Pipe	-		-												
Clean Rig / Pits	-		-	No.	Type	Size	Model	S/N	In	Out	ROP	Hrs	Grade		
Other	7.50	2.00	9.50	2	ION 616	11"	VAR 1.531	9004600	688'	2,230	79.1	19.5	2-2-Wt-A X-I-No-TD		
NPT / Top Drive	-		-										Cement		
NPT / Pumps	-		-	No.	Casing Desc		Size	Grade	Wt.	Conn.	Top	Bottom	Cu. Ft	TOC	
NPT / Rig Power	3.00		3.00	1	Surface		13 3/8"	H-40	48.0	STC		688	940.3	0'	
NPT / Misc	-		-	2	Intermediate		8 5/8"	J55	32.0	LTC		2230	1,040	0'	
Total Rig NPT	3.00	-	3.00	3											
Total Hours	120.00	24.00	144.00	4											
BHA Weights		Gas Shows		Survey Information					Directional Co-->		Nzone				
BHA Wt		BG Gas	0	MD	Inc	Azm	TVD	N/S	E/W	VS	DLS	Method			
DP Wt		Conn. Gas	0												
Str Wt - Rot		Trip Gas	0												
Pick Up		Lithology	Percent												
Slack Off		Dolomite	0%												
Drag		Sand	0%												
Torque		Shale	0%												
Rig Contacts				Job Supplies				Previous		Daily		Cum			
Name		Title		Contact No.		Item	Type	Units	On Hand	Rec	Used	Rec	Used	Rec	Used
Phoenix Rig 101		Co Man Office		(432) 770-5805		Diesel	Fuel	bbl	8576	7256	1885		864	7256	2749
Ricky Keith		Company Man		(806) 231-3477		Diesel	Mud	bbl		0	0			0	0
Scott Panthaky		Manzanita Office		(432) 349-3096		Water	Rig	bbl		0	0			0	0
Phillip Coffey		Mud Engineer		(601) 248-7189						0	0			0	0
						Diesel	Rig	Arrived	3,693	0	0			0	0
				EHS & Accidents											
				Time		# Injured		Incident Type		Type of Event		Report Email (Y/N)			
				Comment Details											

Well Cost Summary - Total					\$	629,422			
Date:					6/8/2022	Day:	6		
Code	Intangible Costs	Previous	Daily	Cumulative	Comments / Company				
Location Charges									
9207	Legal Fees / Leasing / Plats	-		-					
9220	Insurance	-		-					
9211	Build Location/Restore Location	62,000		62,000					
	Mousehole / Conductor	12,500		12,500	Byrd Oilfield Service				
9211	Location Repair / Rock	-		-					
Rig Mobilization Costs									
	Rig Mob Costs - Trucking	90,000		90,000	Hooper Trucking				
9230	Drilling Daywork During Mob and RU	15,500		15,500	Phoenix Drilling Company				
	Trucking - Drill Pipe (if separate)	-		-					
Daily Rig and Mud Costs									
9202	Drilling Contractor Daywork	62,000	15,500	77,500	Phoenix Drilling Company				
9224	Diesel Fuel - Rig	35,347		35,347	7,256 Gal @ \$4.58 per/gal. Rolfson Oil				
9209	Drilling Fluids and LCM	6,644		6,644	New Park Drilling Fluids				
	Diesel - OBM Base Fluid	-		-					
	ABO / Lubricants / Beads	-		-					
9228	Mud Logging / Formation Evaluation	-	1,500	1,500	Morco Mudloggers.				
9222	Supervision / Consulting	8,000	1,600	9,600	Crescent Consulting.				
	Project Management / Engineer	-		-					
9209	Water Brine/Fresh Water	16,000		16,000	Franco Trucking				
1010	Surface Rental Equipment	15,043	2,947	17,990	Details Listed Below				
Downhole Rental Equipment									
9212	Rental Drill Pipe / Handling Tools	-		-					
9219	IBS, Reamers, Bit Subs	-		-					
9219	Agitators, Shock Subs,	1,200		1,200	JA Oilfield Shock Sub/Bit Sub				
9219	Jars	-		-					
9219	Bits	2,500	15,381	17,881	Varel 11" VION 516S Ser: 9004600				
Directional Drilling Costs									
	Directional / Mud Motor	3,640	4,585	8,225	True Shot \$130/Hr				
	Directional Drilling Standby Charges	-		-					
	Teledrift / Survey Equipment	-		-					
	Gyro	-		-					
	Cement Whipstock	-		-					
	Open Hole Whipstock / Equipment	-		-					
Miscellaneous - One Time Costs - Service Calls									
9215	Trucking / Hotshots	2,025		2,025	Float Equip, BHA, Wellhead				
	RD Chokes / Flare Line	-		-					
	Mud Disposal / Soil Farming	12,800	22,000	34,800	Solids Haul Off Daily 3 Total 5				
	BOP Testing / NU Crews	4,569	3,246	7,815	BOP Ram, Test BOP				
9206	Contract Labor & Service Calls	4,375	1,545	5,920	Install 8 5/8" Casing Slips				
9217	Drill Pipe Inpsection	-		-					
	Camp Water And Sewer Haul Off	-		-					
	Materials / Supplies / Screens	-		-					
Casing and Cementing Services									
9217	Casing Inspection	4,675		4,675	Inspect CVD 8 5/8" Casing				
9218	Casing Crews / Torque Turn	7,858	9,107	16,965	Southern Connection Run 8 5/8" Cassing				
	PU / LD Machine	-		-					
	Cementing Surface	26,191		26,191	West Texas Cementers, 13 3/8" Casing				
	Cementing Intermediate	24,102		24,102	West Texas Cementers, 8 5/8" Casing				
	Cementing Production / Liner	-		-					
Surface Rental Tools		Previous	Daily	Cumulative	Company		Start	Release	# Days
WellSite Housing		4,240	360	4,600	Tan-Mar \$360 Day		6/3/2022		6
Rig Communications		1,100	170	1,270	Enercom \$170/Day		6/3/2022		6
Pason System		2,048	567	2,615					-
3 Light Towers		750	150	900	Kudu Services \$150		6/3/2022		6
Cooling Trailer		-		-					-
Rotating Head		-		-					-
Open Top Tanks		400	100	500	West Texas Premix		6/3/2022		6
Hyd Choke		400	200	600	Iron Horse		6/6/2022		3
Porta Johns/Trash Trailer		300	60	360	Kudu Services \$60 Day		6/3/2022		6
20" Spacer Spool/40 Bolts		130	65	195	BOP Ram		6/6/2022		3
2-4X4 Trash/Water Pump w/ Hose		600	150	750	West Texas Premix		6/3/2022		6
400 bbl Pr_Mix Pit		1,350	275	1,625	West Texas Premix		6/3/2022		6
Forklift		1,000	200	1,200	Kudu Services		6/3/2022		6
Frac Tanks (7)		1,300	175	1,475	West Texas Premix		6/3/2022		6
Excavator		1,125	375	1,500			6/4/2022		5
Cannon Safety (H2S) Package		300	100	400			6/3/2022		6
Total Rental Tools		15,043	2,947	17,990					
Code	Tangibles - Drilling								
9401	Surface Casing		31,451		31,451	690' 13 3/8" Casing @ \$45.58 Per/Ft			
9401	Intermediate Casing		-	66,378	66,378	2,220' f 8 5/8" 32#, J-55 @ \$29.90 Per/Ft			
9490	Float Equipment / DV Tool		1,625	7,970	9,595	Citadel 8 5/8" Float Equipment			
9404	Wellhead Equipment (Drilling)		-	8,200	8,200	A & B Sections			
Code	Tangibles - Completion								
9402	Production Casing / Liner		-		-				
	Liner Hanger / PBR		-		-				
	Open Hole Packer System / Toe Sleeves		-		-				
	Float Equipment (Prod String)		-		-				
	Tubing Head (Completion)		-		-				
Total Drilling Intangible Costs			416,969	77,411	494,380				
Total Drilling Tangible Costs			33,076	82,548	115,624				
Taxes/Misc	10.00%		45,005	15,996	61,000				
Total Completion Costs (+ 10%)			-	-	-				
Total Cost			453,467	175,955	629,422				



DAILY REPORT - 5, DRILLING DAY - 4													
Operator	Manzanita Operating, LLC			Report No.	5		Formation	Delaware		Current Depth (ft)	2,230'		
Date	6/7/2022			WI%	100%		Project	Wildcat		24 Hr Footage (ft)	830'		
Well Name	Rainmaker Fed #1			NRI %	100%		AFE Days	12		Avg ROP (ft/hr)	51.9		
Rig Name	Phoenix Rig 101			Drilling AFE	\$ 880,715		Spud Date	6/3/2021		Rotate Drilling Hrs	12.0		
State	New Mexico			Total AFE	\$ 1,460,435		Rig Rel. Date			Slide Drilling Hrs	4.0		
County	Eddy			DWC	\$ 34,321		Planned TD	5,600'		Avg WOB (klb)	25		
SHL Legals	SHL: 660' FSL & 1,980' FEL, Sec. 5 T19S R31E			CWC	\$ 453,467		PBHL TVD	0'		Avg RPM	45		
API No.	30-015-49490			DMC	\$ 1,774		Current VS			Avg Flow Rate (GPM)	650		
Project Lead	Scott Panthaky			CMC	\$ 6,644		Left to TD	3,370'		Avg SPP (psi)	1,650		
24 Hour Summary		Rotate And Slide Drill f/ 1,400' - 2,230' Circulate High Vis Sweeps, TOH, R/u And Run 8 5/8" Casing To 460'											
Planned Activity		Finish Running 8 5/8" Casing, Cement Casing, Set Slips Nipple down, Install"B" Section, Test BOP Break											
Wellbore Issue(s)		None											
Operations Time Log													
From	To	Total	Depth End	Comment									
06:00	12:00	6.0	1,775	Rot Drill F/1,400' T/1,775' (375'@ 62fph), WOB-25k, RPM-50, TQ-65k, 160 SPM@ 655 GPM, MRPM-104, SPP-1660, Diff-350									
12:00	12:30	0.5	1,806	Slide Drill F/1,775' T/1,806' (31'@ 62fph), WOB-10k, 160 SPM@ 655 GPM, MRPM-104, SPP-1500, Diff-200, TF-270°									
12:30	13:30	1.0	1,901	Rot Drill F/1,806' T/1,901' (95'@ 95fph), WOB-25k, RPM-50, TQ-65k, 160 SPM@ 655 GPM, MRPM-104, SPP-1660, Diff-350									
13:30	15:00	1.5	1,966	Slide Drill F/1,901' T/1,966' (65'@ 43fph), WOB-10k, 160 SPM@ 655 GPM, MRPM-104, SPP-1500, Diff-200, TF-270°									
15:00	16:00	1.0	1,996	Rot Drill F/1,966' T/1,996' (30'@ 60fph), WOB-25k, RPM-50, TQ-65k, 160 SPM@ 655 GPM, MRPM-104, SPP-1660, Diff-350									
16:00	18:00	2.0	2,059	Slide Drill F/1,996' T/2,059' (63'@ 31fph), WOB-10k, 160 SPM@ 655 GPM, MRPM-104, SPP-1500, Diff-200, TF-310°									
18:00	22:00	4.0	2,230	Rot Drill F/2,059' T/2,230' (171'@ 42fph), WOB-25k, RPM-50, TQ-65k, 160 SPM@ 655 GPM, MRPM-104, SPP-1660, Diff-350									
22:00	23:00	1.0	2,230	Circulate 2 High Vis Sweeps, Circulating With Full Returns									
23:00	03:00	4.0	2,230'	Trip Out Of The Hole f/ 2,230' - BHA, Lay Out Directional Tools (Scribe On MWD Turned 180° Out)									
03:00	06:00	3.0	2,230'	Rig Up Casing Crew To Run 8 5/8" Casing As Follows : Guide Shoe, 1 Joint 32.0# J-55 8 5/8" Casing									
				Float Collar, 12 Joints Of 32.0# J-55 8 5/8" LTC Casing (Total Pipe 460')									
				Notified BLM For Upcoming Cement Job, Talked to Abiy Sisay 23:45 6/6/22									
Mud Report										Mud Company-->		Newpark	
Density	Vis	PV	YP	3 RPM	6 RPM	FL / HTHP	Filter Cake	pH	Solids	HGS	LGS		
10.1	28	1	1	1	1			9.00		4.20	2.60		
LCM	Elec Stab	Gel	Oil / H2O %	Sand %	CaCl	Chlorides	Pit Vol	Syst. Vol	Daily Mud Loss	Cum Mud Lost			
					4,240	171,000	300	644	0	0			
Time Log Distribution				BHA Components									
Activity	Previous	Daily	Cumm	# Jts	Component Description			Wts	OD	ID	Length		
Rig Mob	31.00		31.00	1	11" Varel VION 516S				11"		1.00'		
Drill - Rotate	15.00	12.00	27.00	1	Bit Sub				8"	2.5"	2.47'		
Drill - Slide	-	4.00	4.00	1	Motor 7/8 4.0 1.83° ADJ .16 RPG				8"	2 1/3	28.73'		
Trip Time	4.00	4.00	8.00	1	8" Monell Drill Collar				8"	2.25"	25.02'		
Survey	-		-	1	UBHO Sub				8"	3"	2.95		
Serv Rig	-		-	1	Shock Sub				8"	2.25"	13.34"		
Circ & Cond	3.00	1.00	4.00	3	8" Drill Collars				6"	2 1/4	355.95		
Wash & Ream	-		-	1	Cross Over				6"	2 1/4"	1.65		
RU Equip	-		-	12	6" Drill Collars				6"	2.25"	494.95		
PU / LD	4.50		4.50	Motor Details - Current					Total RPM		149		
Run Csg	6.00	3.00	9.00	Size		Bend Type	Bend Setting	Bit-to-Bend (in)	Lobe Con.	Stages	Rev / gal		
Cement	1.00		1.00	8"		ADJ	1.83°	6.75'	7/8	4	0.16		
WOC	4.00		4.00	Motor Details - Previous					Total RPM		149		
NU BOP / WH	13.00		13.00	Size		Bend Type	Bend Setting	Bit-to-Bend (in)	Lobe Con.	Stages	Rev / gal		
Press Test	4.00		4.00	8"		ADJ	1.83°	6.75'	7/8	4	0.16		
Cut & Slip	-		-	Bit Data - Current									
Logging	-		-	No.	Type	Size	Model	S/N	In	Out	ROP	Hrs	
MWD Trouble	-		-	2	ION 616	11"	VAR	1.531	9004600	688'	2,230	79.1	
Fish / Work Pipe	-		-	Bit Data - Previous									
Clean Rig / Pits	-		-	No.	Type	Size	Model	S/N	In	Out	ROP	Hrs	
Other	7.50		7.50	1	VDT619	17.5"	VAR	1.567	4011858	40'	651	87.3	
NPT / Top Drive	-		-	Casing Strings							Cement		
NPT / Pumps	-		-	No.	Casing Desc		Size	Grade	Wt.	Conn.	Top	Bottom	
NPT / Rig Power	3.00		3.00	1	Surface		13 3/8"	H-40	48.0	STC		688	
NPT / Misc	-		-	2	Intermediate		8 5/8"	J55	32.0	LTC		2230	
Total Rig NPT	3.00	-	3.00	3									
Total Hours	96.00	24.00	120.00	4									
BHA Weights		Gas Shows		Survey Information					Directional Co-->		Nzone		
BHA Wt		BG Gas	0	MD	Inc	Azm	TVD	N/S	E/W	VS	DLS	Method	
DP Wt		Conn. Gas	0	1,732	2.59	74.67	1731.3	8.17	28.15		0.49	MWD	
Str Wt - Rot	118,000	Trip Gas	0	1,827	2.90	111.06	1826.2	7.87	32.46		1.83	MWD	
Pick Up	125,000	Lithology	Percent	1,918	2.90	123.27	1917.0	5.78	36.53		0.68	MWD	
Slack Off	110,000	Dolomite	0%	2,016	3.69	169.59	2014.9	1.32	39.18		2.75	MWD	
Drag		Sand	0%	2,111	4.62	186.46	2109.7	-5.46	39.10		1.79	MWD	
Torque	65K	Shale	0%	2,187	4.88	189.72	2185.4	-11.67	38.05		0.34	MWD	
Rig Contacts				Job Supplies				Previous		Daily		Cum	
Name		Title		Contact No.		Item	Type	Units	On Hand	Rec	Used	Rec	Used
Phoenix Rig 101		Co Man Office		(432) 770-5805		Diesel	Fuel	bbl	9440	7256	1049		
Ricky Keith		Company Man		(806) 231-3477		Diesel	Mud	bbl		0	0		
Scott Panthaky		Manzanita Office		(432) 349-3096		Water	Rig	bbl		0	0		
Phillip Coffey		Mud Engineer		(601) 248-7189						0	0		
						Diesel	Rig	Arrived	3,693	0	0		
EHS & Accidents													
				Time		# Injured		Incident Type		Type of Event		Report Email (Y/N)	
				Comment Details									

Well Cost Summary - Total					\$	453,467			
Date:					6/7/2022	Day:	5		
Code	Intangible Costs	Previous	Daily	Cumulative	Comments / Company				
Location Charges									
9207	Legal Fees / Leasing / Plats	-		-					
9220	Insurance	-		-					
9211	Build Location/Restore Location	62,000		62,000					
	Mousehole / Conductor	12,500		12,500	Byrd Oilfield Service				
9211	Location Repair / Rock	-		-					
Rig Mobilization Costs									
	Rig Mob Costs - Trucking	90,000		90,000	Hooper Trucking				
9230	Drilling Daywork During Mob and RU	15,500		15,500	Phoenix Drilling Company				
	Trucking - Drill Pipe (if separate)	-		-					
Daily Rig and Mud Costs									
9202	Drilling Contractor Daywork	46,500	15,500	62,000	Phoenix Drilling Company				
9224	Diesel Fuel - Rig	35,347		35,347	7,256 Gal @ \$4.58 per/gal. Rolfson Oil				
9209	Drilling Fluids and LCM	4,870	1,774	6,644	New Park Drilling Fluids				
	Diesel - OBM Base Fluid	-		-					
	ABO / Lubricants / Beads	-		-					
9228	Mud Logging / Formation Evaluation	-		-					
9222	Supervision / Consulting	6,400	1,600	8,000	Crescent Consulting.				
	Project Management / Engineer	-		-					
9209	Water Brine/Fresh Water	16,000		16,000	Franco Trucking				
1010	Surface Rental Equipment	12,151	2,892	15,043	Details Listed Below				
Downhole Rental Equipment									
9212	Rental Drill Pipe / Handling Tools	-		-					
9219	IBS, Reamers, Bit Subs	-		-					
9219	Agitators, Shock Subs,	1,200	1,000	1,200	JA Oilfield Shock Sub/Bit Sub				
9219	Jars	-		-					
9219	Bits	2,500		2,500	Varel 17 1/2" VTD 619				
Directional Drilling Costs									
	Directional / Mud Motor	2,730	910	3,640	True Shot \$130/Hr				
	Directional Drilling Standby Charges	-		-					
	Teledrift / Survey Equipment	-		-					
	Gyro	-		-					
	Cement Whipstock	-		-					
	Open Hole Whipstock / Equipment	-		-					
Miscellaneous - One Time Costs - Service Calls									
9215	Trucking / Hotshots	2,025		2,025	Float Equip, BHA, Wellhead				
	RD Chokes / Flare Line	-		-					
	Mud Disposal / Soil Farming	8,300	4,500	12,800	Solids Haul Off Daily 3 Total 5				
	BOP Testing / NU Crews	4,569		4,569	BOP Ram, Test BOP				
9206	Contract Labor & Service Calls	4,375		4,375	Iron Horse Install Hyd Choke				
9217	Drill Pipe Inpsection	-		-					
	Camp Water And Sewer Haul Off	-		-					
	Materials / Supplies / Screens	-		-					
Casing and Cementing Services									
9217	Casing Inspection	1,650	3,025	4,675	Inspect CVD 8 5/8" Casing				
9218	Casing Crews / Torque Turn	7,858		7,858	Southern Connection Run 13 3/8" Cassing				
	PU / LD Machine	-		-					
	Cementing Surface	26,191		26,191	West Texas Cementers, 13 3/8" Casing				
	Cementing Intermediate	-		-					
	Cementing Production / Liner	-		-					
Surface Rental Tools		Previous	Daily	Cumulative	Company		Start	Release	# Days
WellSite Housing		3,880	360	4,240	Tan-Mar \$360 Day		6/3/2022		5
Rig Communications		930	170	1,100	Enercom \$170/Day		6/3/2022		5
Pason System		1,536	512	2,048					-
3 Light Towers		600	150	750	Kudu Services \$150		6/3/2022		5
Cooling Trailer		-		-					-
Rotating Head		-		-					-
Open Top Tanks		300	100	400	West Texas Premix		6/3/2022		5
Hyd Choke		200	200	400	Iron Horse		6/6/2022		2
Porta Johns/Trash Trailer		240	60	300	Kudu Services \$60 Day		6/3/2022		5
20" Spacer Spool/40 Bolts		65	65	130	BOP Ram		6/6/2022		2
2-4X4 Trash/Water Pump w/ Hose		450	150	600	West Texas Premix		6/3/2022		5
400 bbl Pr_Mix Pit		1,075	275	1,350	West Texas Premix		6/3/2022		5
Forklift		800	200	1,000	Kudu Services		6/3/2022		5
Frac Tanks (7)		1,125	175	1,300	West Texas Premix		6/3/2022		5
Excavator		750	375	1,125			6/4/2022		4
Cannon Safety (H2S) Package		200	100	300			6/3/2022		5
Total Rental Tools		12,151	2,892	15,043					
Code	Tangibles - Drilling								
9401	Surface Casing	31,451		31,451	690' 13 3/8" Casing @ \$45.58 Per/Ft				
9401	Intermediate Casing	-		-					
9490	Float Equipment / DV Tool	1,625		1,625	Citadel 13 3/8" Float Equipment				
	Wellhead Equipment (Drilling)	-		-					
Code	Tangibles - Completion								
9402	Production Casing / Liner	-		-					
	Liner Hanger / PBR	-		-					
	Open Hole Packer System / Toe Sleeves	-		-					
	Float Equipment (Prod String)	-		-					
	Tubing Head (Completion)	-		-					
Total Drilling Intangible Costs		362,666	31,201	393,867					
Total Drilling Tangible Costs		33,076	-	33,076					
Taxes/Misc	10.00%	39,574	3,120	42,694					
Total Completion Costs (+ 10%)		-	-	-					
Total Cost		419,146	34,321	453,467					



DAILY REPORT - 4, DRILLING DAY - 3

Operator	Manzanita Operating, LLC	Report No.	4	Formation	Delaware	Current Depth (ft)	1,400'
Date	6/6/2022	WI%	100%	Project	Wildcat	24 Hr Footage (ft)	712'
Well Name	Rainmaker Fed #1	NRI %	100%	AFE Days	12	Avg ROP (ft/hr)	94.9
Rig Name	Phoenix Rig 101	Drilling AFE	\$ 880,715	Spud Date	6/3/2021	Rotate Drilling Hrs	7.5
State	New Mexico	Total AFE	\$ 1,460,435	Rig Rel. Date		Slide Drilling Hrs	
County	Eddy	DWC	\$ 39,471	Planned TD	5,600'	Avg WOB (klb)	25
SHL Legals	SHL: 660' FSL & 1,980' FEL, Sec. 5 T19S R31E	CWC	\$ 419,146	PBHL TVD	0'	Avg RPM	45
API No.	30-015-49490	DMC	\$ 1,237	Current VS		Avg Flow Rate (GPM)	675
Project Lead	Scott Panthaky	CMC	\$ 4,870	Left to TD	4,200'	Avg SPP (psi)	1,500

24 Hour Summary	Nipple Up BOP, Test BOP,P/U Directional Tools, TIH, Drill Cement, Float Equipment, Drill Formation f/ 688 - 1,400'
Planned Activity	Continue Drilling To Intermediate Casing Point @ 2,200'+-
Wellbore Issue(s)	None

Operations Time Log				
From	To	Total	Depth End	Comment
06:00	11:30	5.5	688'	Nipple Up BOP, Center BOP, Nipple Up Flowline,
11:30	15:30	4.0	688'	Test Annular, 1,211psi High, 250psi Low, Test Pipe Rame 1,211psi High, 200psi Low, Blinds Rams 1,211psi High, 250psi Low
				Installed Choke, Test Maniflod 3K High, 250psi Low, Test Casing 1,211psi Good Test
15:30	18:00	2.5	688'	Load Rack w/ Directional BHA, Tally BHA, Rig Up Trueshot Equipment
18:00	19:30	1.5	688'	P/U 11' Bit, 1.83° Bend Motor, Scribe And Test MWD
19:30	21:30	2.0	668'	Trip In The Hole, Tag Cement @ 655'
21:30	22:00	0.5	668'	Drill Cement, Float Collar f/ 655' - 688'
22:00	01:00	3.0	897'	Rot Drill F/688' T/897' (209'@ 69fph), WOB-25k, RPM-40, TQ-8k, 165 SPM@ 675 GPM, MRPM-108, SPP-1500,
01:00	01:30	0.5	897'	Install Roataing Head Rubber
01:30	06:00	4.5	1,400'	Rot Drill F/897' T/1,400' (503'@ 111fph), WOB-25k, RPM-40, TQ-8k, 165 SPM@ 675 GPM, MRPM-108, SPP-1500, Diff-450
				BLM Was Not Present During BOP Test

Mud Report							Mud Company-->			Newpark	
Density	Vis	PV	YP	3 RPM	6 RPM	FL / HTHP	Filter Cake	pH	Solids	HGS	LGS
10.0	26										
LCM	Elec Stab	Gel	Oil / H2O %	Sand %	CaCl	Chlorides	Pit Vol	Syst. Vol	Daily Mud Loss	Cum Mud Lost	
						55,000			0	0	

Time Log Distribution				BHA Components										
Activity	Previous	Daily	Cumm	# Jts	Component Description			Wts	OD	ID	Length			
Rig Mob	31.00		31.00	1	11" Varel VION 516S				11"		1.00'			
Drill - Rotate	7.50	7.50	15.00	1	Bit Sub				8"	2.5"	2.47'			
Drill - Slide	-	-	-	1	Motor 7/8 4.0 1.83° ADJ .16 RPG				8"	2 1/3	28.73'			
Trip Time	2.00	2.00	4.00	1	8" Monell Drill Collar				8"	2.25"	25.02'			
Survey	-		-	1	UBHO Sub				8"	3"	2.95			
Serv Rig	-		-	1	Shock Sub				8"	2.25"	13.34"			
Circ & Cond	3.00		3.00	3	8" Drill Collars				6"	2 1/4	355.95			
Wash & Ream	-		-	1	Cross Over				6"	2 1/4"	1.65			
RU Equip	-		-	12	6" Drill Collars				6"	2.25"	494.95			
PU / LD	3.00	1.50	4.50	Motor Details - Current					Total RPM		153			
Run Csg	6.00		6.00	Size		Bend Type	Bend Setting	Bit-to-Bend (in)	Lobe Con.	Stages	Rev / gal			
Cement	1.00		1.00	8"		ADJ	1.83°	6.75'	7/8	4	0.16			
WOC	4.00		4.00	Motor Details - Previous					Total RPM		153			
NU BOP / WH	7.50	5.50	13.00	Size		Bend Type	Bend Setting	Bit-to-Bend (in)	Lobe Con.	Stages	Rev / gal			
Press Test	-	4.00	4.00	8"		ADJ	1.83°	6.75'	7/8	4	0.16			
Cut & Slip	-		-	Bit Data - Current										
Logging	-		-	No.	Type	Size	Model	S/N	In	Out	ROP	Hrs	Grade	
MWD Trouble	-		-	2	ION 616	11"	VAR 1.531	9004600	688'	1,400	94.9	7.5		
Fish / Work Pipe	-		-	Bit Data - Previous										
Clean Rig / Pits	-		-	No.	Type	Size	Model	S/N	In	Out	ROP	Hrs	Grade	
Other	4.00	3.50	7.50	1	VDT619	17.5"	VAR 1.567	4011858	40'	651	87.3	7	2-2-Wt-A X-I-No-TD	
NPT / Top Drive	-		-	Casing Strings								Cement		
NPT / Pumps	-		-	No.	Casing Desc		Size	Grade	Wt.	Conn.	Top	Bottom	Cu. Ft	TOC
NPT / Rig Power	3.00		3.00	1	Surface		13 3/8"	H-40	48.0	STC	0	688	940.3	0
NPT / Misc	-		-	2	Intermediate		8 5/8"	J55	32.0	LTC				
Total Rig NPT	3.00	-	3.00	3										
Total Hours	72.00	24.00	96.00	4										

BHA Weights		Gas Shows		Survey Information					Directional Co-->		Nzone		
BHA Wt		BG Gas	0	MD	Inc	Azm	TVD	N/S	E/W	VS	DLS	Method	
DP Wt		Conn. Gas	0	865	1.32	60.17						MWD	
Str Wt - Rot		Trip Gas	0	959	1.93	44.44						MWD	
Pick Up		Lithology	Percent	1,052	1.80	63.16						MWD	
Slack Off		Dolomite	0%	1,143	1.85	50.24						MWD	
Drag		Sand	0%	1,338	2.24	63.77						MWD	
Torque		Shale	0%										

Rig Contacts			Job Supplies				Previous		Daily		Cum	
Name	Title	Contact No.	Item	Type	Units	On Hand	Rec	Used	Rec	Used	Rec	Used
Phoenix Rig 101	Co Man Office	(432) 770-5805	Diesel	Fuel	bbl	10276	7256	367		682	7256	1049
Ricky Keith	Company Man	(806) 231-3477	Diesel	Mud	bbl		0	0			0	0
Scott Panthaky	Manzanita Office	(432) 349-3096	Water	Rig	bbl		0	0			0	0
Phillip Coffey	Mud Engineer	(601) 248-7189					0	0			0	0
			Diesel	Rig	Arrived	3,693	0	0			0	0
			EHS & Accidents									
			Time		# Injured	Incident Type		Type of Event		Report Email (Y/N)		
			Comment Details									

Well Cost Summary - Total					\$	419,146			
Date: 6/6/2022					Day:	4			
Code	Intangible Costs	Previous	Daily	Cumulative	Comments / Company				
Location Charges									
9207	Legal Fees / Leasing / Plats	-		-					
9220	Insurance	-		-					
9211	Build Location/Restore Location	62,000		62,000					
	Mousehole / Conductor	12,500		12,500	Byrd Oilfield Service				
9211	Location Repair / Rock	-		-					
Rig Mobilization Costs									
	Rig Mob Costs - Trucking	90,000		90,000	Hooper Trucking				
9230	Drilling Daywork During Mob and RU	15,500		15,500	Phoenix Drilling Company				
	Trucking - Drill Pipe (if separate)	-		-					
Daily Rig and Mud Costs									
9202	Drilling Contractor Daywork	31,000	15,500	46,500	Phoenix Drilling Company				
9224	Diesel Fuel - Rig	35,347		35,347	7,256 Gal @ \$4.58 per/gal. Rolfson Oil				
9209	Drilling Fluids and LCM	3,633	1,237	4,870	New Park Drilling Fluids				
	Diesel - OBM Base Fluid	-		-					
	ABO / Lubricants / Beads	-		-					
9228	Mud Logging / Formation Evaluation	-		-					
9222	Supervision / Consulting	4,800	1,600	6,400	Crescent Consulting.				
	Project Management / Engineer	-		-					
9209	Water Brine/Fresh Water	13,500	2,500	16,000	Franco Trucking				
1010	Surface Rental Equipment	9,259	2,892	12,151	Details Listed Below				
Downhole Rental Equipment									
9212	Rental Drill Pipe / Handling Tools	-		-					
9219	IBS, Reamers, Bit Subs	-		-					
9219	Agitators, Shock Subs,	1,200	1,000	1,200	JA Oilfield Shock Sub/Bit Sub				
9219	Jars	-		-					
9219	Bits	2,500		2,500	Varel 17 1/2" VTD 619				
Directional Drilling Costs									
	Directional / Mud Motor	1,820	910	2,730	True Shot \$130/Hr				
	Directional Drilling Standby Charges	-		-					
	Teledrift / Survey Equipment	-		-					
	Gyro	-		-					
	Cement Whipstock	-		-					
	Open Hole Whipstock / Equipment	-		-					
Miscellaneous - One Time Costs - Service Calls									
9215	Trucking / Hotshots	2,025		2,025	Float Equip, BHA, Wellhead				
	RD Chokes / Flare Line	-		-					
	Mud Disposal / Soil Farming	5,800	2,500	8,300	Solids Haul Off Daily 2 Total 2				
	BOP Testing / NU Crews	-	4,569	4,569	BOP Ram, Test BOP				
9206	Contract Labor & Service Calls	1,200	3,175	4,375	Iron Horse Install Hyd Choke				
9217	Drill Pipe Inpsection	-		-					
	Camp Water And Sewer Haul Off	-		-					
	Materials / Supplies / Screens	-		-					
Casing and Cementing Services									
9217	Casing Inspection	1,650		1,650	Inspect CVD 13 3/8" Casing				
9218	Casing Crews / Torque Turn	7,858		7,858	Southern Connection Run 13 3/8" Cassing				
	PU / LD Machine	-		-					
	Cementing Surface	26,191		26,191	West Texas Cementers, 13 3/8" Casing				
	Cementing Intermediate	-		-					
	Cementing Production / Liner	-		-					
Surface Rental Tools		Previous	Daily	Cumulative	Company		Start	Release	# Days
WellSite Housing		3,520	360	3,880	Tan-Mar \$360 Day		6/3/2022		4
Rig Communications		760	170	930	Enercom \$170/Day		6/3/2022		4
Pason System		1,024	512	1,536					-
3 Light Towers		450	150	600	Kudu Services \$150		6/3/2022		4
Cooling Trailer		-		-					-
Rotating Head		-		-					-
Open Top Tanks		200	100	300	West Texas Premix		6/3/2022		4
Hyd Choke		-	200	200	Iron Horse		6/6/2022		1
Porta Johns/Trash Trailer		180	60	240	Kudu Services \$60 Day		6/3/2022		4
20" Spacer Spool/40 Bolts		-	65	65	BOP Ram		6/6/2022		1
2-4X4 Trash/Water Pump w/ Hose		300	150	450	West Texas Premix		6/3/2022		4
400 bbl Pr_Mix Pit		800	275	1,075	West Texas Premix		6/3/2022		4
Forklift		600	200	800	Kudu Services		6/3/2022		4
Frac Tanks (7)		950	175	1,125	West Texas Premix		6/3/2022		4
Excavator		375	375	750			6/4/2022		3
Cannon Safety (H2S) Package		100	100	200			6/3/2022		4
Total Rental Tools		9,259	2,892	12,151					
Code	Tangibles - Drilling								
9401	Surface Casing	31,451		31,451	690' 13 3/8" Casing @ \$45.58 Per/Ft				
9401	Intermediate Casing	-		-					
9490	Float Equipment / DV Tool	1,625		1,625	Citadel 13 3/8" Float Equipment				
	Wellhead Equipment (Drilling)	-		-					
Code	Tangibles - Completion								
9402	Production Casing / Liner	-		-					
	Liner Hanger / PBR	-		-					
	Open Hole Packer System / Toe Sleeves	-		-					
	Float Equipment (Prod String)	-		-					
	Tubing Head (Completion)	-		-					
Total Drilling Intangible Costs		327,783	35,883	363,666					
Total Drilling Tangible Costs		33,076	-	33,076					
Taxes/Misc	10.00%	36,086	3,588	39,674					
Total Completion Costs (+ 10%)		-	-	-					
Total Cost		379,675	39,471	419,146					



DAILY REPORT - 3, DRILLING DAY - 2														
Operator	Manzanita Operating, LLC			Report No.	3		Formation	Delaware		Current Depth (ft)		688'		
Date	6/5/2022			WI%	100%		Project	Wildcat		24 Hr Footage (ft)		37'		
Well Name	Rainmaker Fed #1			NRI %	100%		AFE Days	12		Avg ROP (ft/hr)		74.0		
Rig Name	Phoenix Rig 101			Drilling AFE	\$ 880,715		Spud Date	6/3/2021		Rotate Drilling Hrs		0.5		
State	New Mexico			Total AFE	\$ 1,460,435		Rig Rel. Date			Slide Drilling Hrs				
County	Eddy			DWC	\$ 111,032		Planned TD	5,600'		Avg WOB (klb)		25		
SHL Legals	SHL: 660' FSL & 1,980' FEL, Sec. 5 T19S R31E			CWC	\$ 379,675		PBHL TVD	0'		Avg RPM		40		
API No.	30-015-49490			DMC	\$ 2,176		Current VS			Avg Flow Rate (GPM)		655		
Project Lead	Scott Panthaky			CMC	\$ 3,633		Left to TD	4,912'		Avg SPP (psi)				
24 Hour Summary		Drill f/ 651' - 688', Circulate, TOH, Run Casing, Cement Casing, WOC, Cut Off And Weld On 3M Wellhead, Nipple Up BOP												
Planned Activity		Finish Nipp Up BOP, Test BOP												
Wellbore Issue(s)		NONE												
Operations Time Log														
From	To	Total	Depth End	Comment										
06:00	06:30	0.5	688'	Rot Drill F/651' T/688' (37'@ 74fph), WOB-25k, RPM-40, TQ-10k, 91 SPM@ 372 GPM, MRPM-59, SPP-765, Diff-										
06:30	09:00	2.5	688'	Circulate 2 High Vis Sweeps										
09:00	11:00	2.0	688'	Trip Out Of The Hole f/ 688' - Bit										
11:00	12:30	1.5	688'	Rig Up Floor, Casing Crew, Safety Meeting w/ Casingl Crews, Rig Crew										
12:30	16:00	3.5	688'	Run 18 Joints of 13 3/8" 48# STC Casing As Follows, WT Pattern Guide Shoe, 1 Joint Of 13 3/8" 48# Casing										
				Float Collar, 17 Joints Of 13 3/8" 48# Casing, Total Pipe 690.18, Casing Set At 688'										
16:00	16:30	0.5	688'	Circulate Casing Capacity Full Returns										
16:30	17:30	1.0	688'	Cement As Follows: Test Lines 2,000 psi, Pumped 20 bbls Green Dye Spacer, Lead 455 sks 13.5 ppg, 1.77 Yield										
				143.4 bbls Slurry Of 100% Class C+4% Gel+2% CaCl2+3PPS Gilsonite+0.25PPS Pol-E-Flake+0.005GPS NoFoam V1A										
				Tail 100 sks 14.8 ppg, 1.35 Yield 24 bbls Slurry Of 100% Class C+2% CaCl2+0.25PPS Pol-E-Flake+0.005GPS NoFoam V1A										
				Drop Plug Displace w/ 105 BBls Fresh Water, Bumped Plug, Floats Holding, Full Returns Through Out Job, 75 BBl's Cement Back To Surface										
17:30	21:30	4.0	688'	WOC										
21:30	23:00	1.5	688'	Cut Conductor Pipe, Rough Cut 13 3/8" Casing										
23:00	02:00	3.0	688'	Cut 13 3/8" Casing, Install 13 5/8" 3M SOW, Test Head 500psi (Good Test)										
02:00	06:00	4.0	688'	Stack BOP, Nipple Up BOP										
				(BLM Rep: Terry Cartwright On Location To Witness Surface Cement Job)										
Mud Report										Mud Company-->		Newpark		
Density	Vis	PV	YP	3 RPM	6 RPM	FL / HTHP	Filter Cake	pH	Solids	HGS	LGS			
8.6	32													
LCM	Elec Stab	Gel	Oil / H2O %	Sand %	CaCl	Chlorides	Pit Vol	Syst. Vol	Daily Mud Loss	Cum Mud Lost				
									0	0				
Time Log Distribution				BHA Components										
Activity	Previous	Daily	Cumm	# Jts	Component Description			Wts	OD	ID	Length			
Rig Mob	31.00		31.00	1	17 1/2" Varel VDT619SHX				17 1/2"		1.5'			
Drill - Rotate	7.00	0.50	7.50	1	Bit Sub				8"	2.5"	2.47'			
Drill - Slide	-	-	-	1	Motor 7/8 4.0 1.83° ADJ .16 RPG				8"	2 1/3	28.73'			
Trip Time	-	2.00	2.00	1	Shock Sub				8"	2.25"	13.34"			
Survey	-		-	3	8" Drill Collars				8"	3"	91.63'			
Serv Rig	-		-	1	Cross Over				8"	2.25"	2.60'			
Circ & Cond	-	3.00	3.00	12	6 " Drill Collars				6"	2 1/4	355.95			
Wash & Ream	-		-		TOTAL BHA						494.87'			
RU Equip	-		-											
PU / LD	3.00		3.00	Motor Details - Current			Total RPM		145					
Run Csg	-	6.00	6.00	Size	Bend Type	Bend Setting	Bit-to-Bend (in)	Lobe Con.	Stages	Rev / gal				
Cement	-	1.00	1.00	8"	ADJ	1.83°	6.75'	7/8	4	0.16				
WOC	-	4.00	4.00	Motor Details - Previous			Total RPM		40					
NU BOP / WH	-	7.50	7.50	Size	Bend Type	Bend Setting	Bit-to-Bend (in)	Lobe Con.	Stages	Rev / gal				
Press Test	-		-	0	0	0	0	0	0	0				
Cut & Slip	-		-	Bit Data - Current										
Logging	-		-	No.	Type	Size	Model	S/N	In	Out	ROP	Hrs	Grade	
MWD Trouble	-		-	1	VDT619	17.5"	VAR	1.567	4011858	40'	651	87.3	7	2-2-Wt-A X-I-No-TD
Fish / Work Pipe	-		-	Bit Data - Previous										
Clean Rig / Pits	-		-	No.	Type	Size	Model	S/N	In	Out	ROP	Hrs	Grade	
Other	4.00		4.00											
NPT / Top Drive	-		-	Casing Strings								Cement		
NPT / Pumps	-		-	No.	Casing Desc	Size	Grade	Wt.	Conn.	Top	Bottom	Cu. Ft	TOC	
NPT / Rig Power	3.00		3.00	1	Surface	13 3/8"	J	48.0	STC	0	688	940.3	0	
NPT / Misc	-		-	2										
Total Rig NPT	3.00	-	3.00	3										
Total Hours	48.00	24.00	72.00	4										
BHA Weights		Gas Shows		Survey Information					Directional Co-->		Nzone			
BHA Wt		BG Gas	0	MD	Inc	Azm	TVD	N/S	E/W	VS	DLS	Method		
DP Wt		Conn. Gas	0											
Str Wt - Rot		Trip Gas	0											
Pick Up		Lithology	Percent											
Slack Off		Dolomite	0%											
Drag		Sand	0%											
Torque		Shale	0%											
Rig Contacts				Job Supplies				Previous		Daily		Cum		
Name		Title		Contact No.		Item	Type	Units	On Hand	Rec	Used	Rec	Used	
Phoenix Rig 101		Co Man Office		(432) 770-5805		Diesel	Fuel	bbl	10949	7256	367		7256 367	
Ricky Keith		Company Man		(806) 231-3477		Diesel	Mud	bbl		0	0		0 0	
Scott Panthaky		Manzanita Office		(432) 349-3096		Water	Rig	bbl		0	0		0 0	
Phillip Coffey		Mud Engineer		(601) 248-7189						0	0		0 0	
						Diesel	Rig	Arrived	3,693	0	0		0 0	
				EHS & Accidents										
				Time		# Injured		Incident Type		Type of Event		Report Email (Y/N)		
				Comment Details										

Well Cost Summary - Total					\$	379,675			
Date:					6/5/2022	Day:	3		
Code	Intangible Costs	Previous	Daily	Cumulative	Comments / Company				
Location Charges									
9207	Legal Fees / Leasing / Plats	-		-					
9220	Insurance	-		-					
9211	Build Location/Restore Location	62,000		62,000					
	Mousehole / Conductor	12,500		12,500	Byrd Oilfield Service				
9211	Location Repair / Rock	-		-					
Rig Mobilization Costs									
	Rig Mob Costs - Trucking	90,000		90,000	Hooper Trucking				
9230	Drilling Daywork During Mob and RU	15,500		15,500	Phoenix Drilling Company				
	Trucking - Drill Pipe (if separate)	-		-					
Daily Rig and Mud Costs									
9202	Drilling Contractor Daywork	15,500	15,500	31,000	Phoenix Drilling Company				
9224	Diesel Fuel - Rig	35,347		35,347	7,256 Gal @ \$4.58 per/gal. Rolfson Oil				
9209	Drilling Fluids and LCM	1,457	2,176	3,633	New Park Drilling Fluids				
	Diesel - OBM Base Fluid	-		-					
	ABO / Lubricants / Beads	-		-					
9228	Mud Logging / Formation Evaluation	-		-					
9222	Supervision / Consulting	3,200	1,600	4,800	Crescent Consulting.				
	Project Management / Engineer	-		-					
9209	Water Brine/Fresh Water	11,000	2,500	13,500	Franco Trucking				
1010	Surface Rental Equipment	6,632	2,627	9,259	Details Listed Below				
Downhole Rental Equipment									
9212	Rental Drill Pipe / Handling Tools	-		-					
9219	IBS, Reamers, Bit Subs	-		-					
9219	Agitators, Shock Subs,	-	1,000	1,200	JA Oilfield Shock Sub/Bit Sub				
9219	Jars	-		-					
9219	Bits	-	2,500	2,500	Varel 17 1/2" VTD 619				
Directional Drilling Costs									
	Directional / Mud Motor	910	910	1,820	True Shot \$130/Hr				
	Directional Drilling Standby Charges	-		-					
	Teledrift / Survey Equipment	-		-					
	Gyro	-		-					
	Cement Whipstock	-		-					
	Open Hole Whipstock / Equipment	-		-					
Miscellaneous - One Time Costs - Service Calls									
9215	Trucking / Hotshots	2,025		2,025	Float Equip, BHA, Wellhead				
	RD Chokes / Flare Line	-		-					
	Mud Disposal / Soil Farming	2,000	3,800	5,800	Solids Haul Off Daily 2 Total 2				
	BOP Testing / NU Crews	-		-					
9206	Contract Labor & Service Calls	-	1,200	1,200	Whites Welding Weld And Test 13 5/8" SOW				
9217	Drill Pipe Inpsection	-		-					
	Camp Water And Sewer Haul Off	-		-					
	Materials / Supplies / Screens	-		-					
Casing and Cementing Services									
9217	Casing Inspection	1,650		1,650	Inspect CVD 13 3/8" Casing				
9218	Casing Crews / Torque Turn	-	7,858	7,858	Southern Connection Run 13 3/8" Cassing				
	PU / LD Machine	-		-					
	Cementing Surface	-	26,191	26,191	West Texas Cementers, 13 3/8" Casing				
	Cementing Intermediate	-		-					
	Cementing Production / Liner	-		-					
Surface Rental Tools		Previous	Daily	Cumulative	Company		Start	Release	# Days
WellSite Housing		3,160	360	3,520	Tan-Mar \$360 Day		6/3/2022		3
Rig Communications		590	170	760	Enercom \$170/Day		6/3/2022		3
Pason System		512	512	1,024					-
3 Light Towers		300	150	450	Kudu Services \$150		6/3/2022		3
Cooling Trailer		-		-					-
Rotating Head		-		-					-
Open Top Tanks		100	100	200	West Texas Premix		6/3/2022		3
Fresh Water Frac Tanks		-		-					-
Porta Johns/Trash Trailer		120	60	180	Kudu Services \$60 Day		6/3/2022		3
Pumps		-		-					-
2-4X4 Trash/Water Pump w/ Hose		150	150	300	West Texas Premix		6/3/2022		3
400 bbl Pr_Mix Pit		525	275	800	West Texas Premix		6/3/2022		3
Forklift		400	200	600	Kudu Services		6/3/2022		3
Frac Tanks (7)		775	175	950	West Texas Premix		6/3/2022		3
Excavator		-	375	375			6/4/2022		2
Cannon Safety (H2S) Package		-	100	100			6/3/2022		3
Total Rental Tools		6,632	2,627	9,259					
Code	Tangibles - Drilling								
9401	Surface Casing	-	31,451	31,451	690' 13 3/8" Casing @ \$45.58 Per/Ft				
9401	Intermediate Casing	-		-					
9490	Float Equipment / DV Tool	-	1,625	1,625	Citadel 13 3/8" Float Equipment				
	Wellhead Equipment (Drilling)	-		-					
Code	Tangibles - Completion								
9402	Production Casing / Liner	-		-					
	Liner Hanger / PBR	-		-					
	Open Hole Packer System / Toe Sleeves	-		-					
	Float Equipment (Prod String)	-		-					
	Tubing Head (Completion)	-		-					
Total Drilling Intangible Costs		259,721	67,862	327,583					
Total Drilling Tangible Costs		-	33,076	33,076					
Taxes/Misc	10.00%	25,972	10,094	36,066					
Total Completion Costs (+ 10%)		-	-	-					
Total Cost		268,643	111,032	379,675					

Released to Imaging: 11/17/2022 9:31:10 AM

Well Cost Summary - Total					\$	268,643			
Date:					6/4/2022	Day:	2		
Code	Intangible Costs	Previous	Daily	Cumulative	Comments / Company				
Location Charges									
9207	Legal Fees / Leasing / Plats	-		-					
9220	Insurance	-		-					
9211	Build Location/Restore Location	62,000		62,000					
	Mousehole / Conductor	12,500		12,500	Byrd Oilfield Service				
9211	Location Repair / Rock	-		-					
Rig Mobilization Costs									
	Rig Mob Costs - Trucking	90,000		90,000	Hooper Trucking				
9230	Drilling Daywork During Mob and RU	15,500		15,500	Phoenix Drilling Company				
	Trucking - Drill Pipe (if separate)	-		-					
Daily Rig and Mud Costs									
9202	Drilling Contractor Daywork	-	15,500	15,500	Phoenix Drilling Company				
9224	Diesel Fuel - Rig	35,347		35,347	7,256 Gal @ \$4.58 per/gal. Rolfson Oil				
9209	Drilling Fluids and LCM	-	1,457	1,457	New Park Drilling Fluids				
	Diesel - OBM Base Fluid	-		-					
	ABO / Lubricants / Beads	-		-					
9228	Mud Logging / Formation Evaluation	-		-					
9222	Supervision / Consulting	1,600	1,600	3,200	Crescent Consulting				
	Project Management / Engineer	-		-					
9209	Water Brine/Fresh Water	8,500	2,500	11,000	Franco Trucking				
1010	Surface Rental Equipment	4,480	2,152	6,632	Details Listed Below				
Downhole Rental Equipment									
9212	Rental Drill Pipe / Handling Tools	-		-					
9219	IBS, Reamers, Bit Subs	-		-					
9219	Agitators, Shock Subs,	-		-					
9219	Jars	-		-					
9219	Bits	-		-					
Directional Drilling Costs									
	Directional / Mud Motor	-	910	910	True Shot \$130/Hr				
	Directional Drilling Standby Charges	-		-					
	Teledrift / Survey Equipment	-		-					
	Gyro	-		-					
	Cement Whipstock	-		-					
	Open Hole Whipstock / Equipment	-		-					
Miscellaneous - One Time Costs - Service Calls									
9215	Trucking / Hotshots	-	2,025	2,025	Float Equip, BHA, Wellhead				
	RD Chokes / Flare Line	-		-					
	Mud Disposal / Soil Farming	-	2,000	2,000	R360				
	BOP Testing / NU Crews	-		-					
9206	Contract Labor & Service Calls	-		-					
9217	Drill Pipe Inpsection	-		-					
	Camp Water And Sewer Haul Off	-		-					
	Materials / Supplies / Screens	-		-					
Casing and Cementing Services									
9217	Casing Inspection	-	1,650	1,650	Inspect CVD 13 3/8" Casing				
9218	Casing Crews / Torque Turn	-		-					
	PU / LD Machine	-		-					
	Cementing Surface	-		-					
	Cementing Intermediate	-		-					
	Cementing Production / Liner	-		-					
Surface Rental Tools		Previous	Daily	Cumulative	Company		Start	Release	# Days
WellSite Housing		2,800	360	3,160	Tan-Mar \$360 Day		6/3/2022		2
Rig Communications		420	170	590	Enercom \$170/Day		6/3/2022		2
Pason System		-	512	512					-
3 Light Towers		150	150	300	Kudu Services \$150		6/3/2022		2
Cooling Trailer		-		-					-
Rotating Head		-		-					-
Open Top Tanks		-	100	100	West Texas Premix		6/3/2022		2
Fresh Water Frac Tanks		-		-					-
Porta Johns/Trash Trailer		60	60	120	Kudu Services \$60 Day		6/3/2022		2
Pumps		-		-					-
2-4X4 Trash/Water Pump w/ Hose		-	150	150	West Texas Premix		6/3/2022		2
400 bbl Pr_Mix Pit		250	275	525	West Texas Premix		6/3/2022		2
Forklift		200	200	400	Kudu Services		6/3/2022		2
Frac Tanks (7)		600	175	775	West Texas Premix		6/3/2022		2
Fuel Cell		-		-					-
Cannon Safety (H2S) Package		-		-					-
Total Rental Tools		4,480	2,152	6,632					
Code	Tangibles - Drilling								
9401	Surface Casing		-		-				
9401	Intermediate Casing		-		-				
9490	Float Equipment / DV Tool		-		-				
	Wellhead Equipment (Drilling)		-		-				
Code	Tangibles - Completion								
9402	Production Casing / Liner		-		-				
	Liner Hanger / PBR		-		-				
	Open Hole Packer System / Toe Sleeves		-		-				
	Float Equipment (Prod String)		-		-				
	Tubing Head (Completion)		-		-				
Total Drilling Intangible Costs			229,927	29,794	259,721				
Total Drilling Tangible Costs			-	-	-				
Taxes/Misc	10.00%		22,993	2,979	25,972				
Total Completion Costs (+ 10%)			-	-	-				
Total Cost			235,870	32,773	268,643				

Manzanita Operating, LLC

DAILY REPORT - 1, DRILLING DAY - M1

MOB / DE-MOB

Operator	Manzanita Operating, LLC	Report No.	1	Formation	Delaware	Current Depth (ft)	40'						
Date	6/3/2022	WI%	100%	Project	Wildcat	24 Hr Footage (ft)							
Well Name	Rainmaker Fed #1	NRI %	100%	AFE Days	12	Avg ROP (ft/hr)	-						
Rig Name	Phoenix Rig 101	Drilling AFE	\$ 880,715	Spud Date		Rotate Drilling Hrs							
State	New Mexico	Total AFE	\$ 1,460,435	Rig Rel. Date		Slide Drilling Hrs							
County	Eddy	DWC	\$ 252,920	Planned TD	5,600'	Avg WOB (klb)							
SHL Legals	SHL: 660' FSL & 1,980' FEL, Sec. 5 T19S R31E	CWC	\$ 252,920	PBHL TVD	0'	Avg RPM							
API No.	30-015-49490	DMC	\$ -	Current VS	0'	Avg Flow Rate (GPM)							
Project Lead	Scott Panthaky	CMC	\$ -	Left to TD	5,560'	Avg SPP (psi)							
24 Hour Summary	Move In Phoenix Rig 101, Set In Rig, Rig Up												
Planned Activity	Finish Rigging Up, Fill Pits w/ Fresh Water, Pre-Spud Inspection, P/U BHA, Spud Well												
Wellbore Issue(s)	None												
Operations Time Log													
From	To	Total	Depth End	Comment									
06:00	17:30	11.5	40'	Move In Phoenix Rig #101 From Phoenix Yard In Odessa									
17:30	06:00	12.5	40'	Rig Up By Hand, Rig Up Electric Lines, Rig Up Back Yard, Rig Up Pumps									
				Hauling Fresh Water For Pits, Frack Tanks, Rig Water Tanks									
				100% Moved In									
				100% Set In									
				65% Rigged Up									
				Notified BLM To Spud Well, Talked To David Murvine 6/2/22 20:15 hrs									
Mud Report													
Mud Company-->						Newpark							
Density	Vis	PV	YP	3 RPM	6 RPM	FL / HTHP	Filter Cake	pH	Solids	HGS	LGS		
LCM	Elec Stab	Gel	Oil / H2O %	Sand %	CaCl	Chlorides	Pit Vol	Syst. Vol	Daily Mud Loss	Cum Mud Lost			
Time Log Distribution				BHA Components									
Activity	Previous	Daily	Cumm	# Jts	Component Description			Wts	OD	ID	Length		
Rig Mob	-	24.00	24.00										
Drill - Rotate	-	-	-										
Drill - Slide	-	-	-										
Trip Time	-	-	-										
Survey	-	-	-										
Serv Rig	-	-	-										
Circ & Cond	-	-	-										
Wash & Ream	-	-	-										
RU Equip	-	-	-										
PU / LD	-	-	-										
Run Csg	-	-	-										
Cement	-	-	-										
WOC	-	-	-										
NU BOP / WH	-	-	-										
Press Test	-	-	-										
Cut & Slip	-	-	-										
Logging	-	-	-										
MWD Trouble	-	-	-										
Fish / Work Pipe	-	-	-										
Clean Rig / Pits	-	-	-										
Other	-	-	-										
NPT / Top Drive	-	-	-										
NPT / Pumps	-	-	-										
NPT / Rig Power	-	-	-										
NPT / Misc	-	-	-										
Total Rig NPT	-	-	-										
Total Hours	-	24.00	24.00										
BHA Weights		Gas Shows		Survey Information				Directional Co-->		Nzone			
BHA Wt		BG Gas	0	MD	Inc	Azm	TVD	N/S	E/W	VS	DLS	Method	
DP Wt		Conn. Gas	0										
Str Wt - Rot		Trip Gas	0										
Pick Up		Lithology	Percent										
Slack Off		Dolomite	0%										
Drag		Sand	0%										
Torque		Shale	0%										
Rig Contacts				Job Supplies				Previous		Daily		Cum	
Name	Title	Contact No.		Item	Type	Units	On Hand	Rec	Used	Rec	Used	Rec	Used
Phoenix Rig 101	Co Man Office	(432) 770-5805		Diesel	Fuel	bbl	10949	7256	210			7256	210
Ricky Keith	Company Man	(806) 231-3477		Diesel	Mud	bbl						0	0
Scott Panthaky	Manzanita Office	(432) 349-3096		Water	Rig	bbl						0	0
Phillip Coffey	Mud Engineer	(601) 248-7189		Diesel	Rig	Arrived	3,693					0	0
				EHS & Accidents									
				Time		# Injured		Incident Type		Type of Event		Report Email (Y/N)	
				Comment Details									

Released to Imaging: 11/17/2022 9:31:10 AM

Well Cost Summary - Total					\$	252,920			
Date:					6/3/2022	Day:			1
Code	Intangible Costs	Previous	Daily	Cumulative	Comments / Company				
Location Charges									
9207	Legal Fees / Leasing / Plats			-					
9220	Insurance			-					
9211	Build Location/Restore Location		62,000	62,000					
	Mousehole / Conductor		12,500	12,500	Byrd Oilfield Service				
9211	Location Repair / Rock			-					
Rig Mobilization Costs									
	Rig Mob Costs - Trucking		90,000	90,000	Hooper Trucking				
9230	Drilling Daywork During Mob and RU		15,500	15,500	Phoenix Drilling Company				
	Trucking - Drill Pipe (if separate)			-					
Daily Rig and Mud Costs									
9202	Drilling Contractor Daywork			-	Phoenix Drilling Company				
9224	Diesel Fuel - Rig		35,347	35,347	7,256 Gal @ \$4.58 per/gal. Rolfson Oil				
9209	Drilling Fluids and LCM			-	New Park Drilling Fluids				
	Diesel - OBM Base Fluid			-					
	ABO / Lubricants / Beads			-					
9228	Mud Logging / Formation Evaluation			-					
9222	Supervision / Consulting		1,600	1,600	Crescent Consulting				
	Project Management / Engineer			-					
9209	Water Brine/Fresh Water		8,500	8,500	Franco Trucking				
1010	Surface Rental Equipment		4,480	4,480	Details Listed Below				
Downhole Rental Equipment									
9212	Rental Drill Pipe / Handling Tools			-					
9219	IBS, Reamers, Bit Subs			-					
9219	Agitators, Shock Subs,			-					
9219	Jars			-					
9219	Bits			-					
Directional Drilling Costs									
	Directional / Mud Motor			-					
	Directional Drilling Standby Charges			-					
	Teledrift / Survey Equipment			-					
	Gyro			-					
	Cement Whipstock			-					
	Open Hole Whipstock / Equipment			-					
Miscellaneous - One Time Costs - Service Calls									
9215	Trucking / Hotshots			-					
	RD Chokes / Flare Line			-					
	Mud Disposal / Soil Farming			-					
	BOP Testing / NU Crews			-					
9206	Contract Labor & Service Calls			-					
9217	Drill Pipe Inpsection			-					
	Camp Water And Sewer Haul Off			-					
	Materials / Supplies / Screens			-					
Casing and Cementing Services									
9217	Casing Inspection			-					
9218	Casing Crews / Torque Turn			-					
	PU / LD Machine			-					
	Cementing Surface			-					
	Cementing Intermediate			-					
	Cementing Production / Liner			-					
Surface Rental Tools		Previous	Daily	Cumulative	Company		Start	Release	# Days
WellSite Housing			2,800	2,800	Tan-Mar \$360 Day		6/3/2022		1
Rig Communications			420	420	Enercom \$170/Day		6/3/2022		1
Pason System				-					-
3 Light Towers			150	150	Kudu Services \$150		6/3/2022		1
Cooling Trailer				-					-
Rotating Head				-					-
Flare Stack / Chokes				-					-
Fresh Water Frac Tanks				-					-
Porta Johns/Trash Trailer			60	60	Kudu Services \$60 Day		6/3/2022		1
Pumps				-					-
2- 6x6 Trash/Water Pump w/ Hos				-	West Texas Premix		6/3/2022		1
400 bbl Pr_Mix Pit			250	250	West Texas Premix		6/3/2022		1
Forklift			200	200	Kudu Services		6/3/2022		1
Frac Tanks (7)			600	600	West Texas Premix		6/3/2022		1
Fuel Cell				-					-
Cannon Safety (H2S) Package				-					-
Total Rental Tools		-	4,480	4,480					
Code	Tangibles - Drilling								
9401	Surface Casing			-					
9401	Intermediate Casing			-					
9490	Float Equipment / DV Tool			-					
	Wellhead Equipment (Drilling)			-					
Code	Tangibles - Completion								
9402	Production Casing / Liner			-					
	Liner Hanger / PBR			-					
	Open Hole Packer System / Toe Sleeves			-					
	Float Equipment (Prod String)			-					
	Tubing Head (Completion)			-					
Total Drilling Intangible Costs		-	229,927	229,927					
Total Drilling Tangible Costs		-	-	-					
Taxes/Misc	10.00%	-	22,993	22,993					
Total Completion Costs (+ 10%)		-	-	-					
Total Cost		-	252,920	252,920					

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 159613

CONDITIONS

Operator: Manzanita Operating, LLC PO Box 3489 Midland, TX 79705	OGRID: 330289
	Action Number: 159613
	Action Type: [C-103] Sub. Drilling (C-103N)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	Please submit CBL to OCD via the Log submission	11/17/2022