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Form 3160-5 (September 2001)	UNITED STATE DEPARTMENT OF THE BUREAU OF LAND MA	ES E INTERIOR NAGEMENT	FC O Exj 5 Lease Serial No	ORM APPROVED M B No. 1004-0135 pires: January 31, 2004	
SUNDR	Y NOTICES AND RE	PORTS ON WELL	S	5. Ecube Senarra	
Do not use abandoned	this form for proposals vell. Use Form 3160-3	to drill or to re-en (APD) for such prop	ter an osals.	6. If Indian, Al	lottee or Tribe Name
SUBMIT IN T	RIPLICATE- Other ins	tructions on revers	e side.	7. If Unit or CA	Agreement, Name and/or No.
1. Type of Well Oil Well	Gas Well Other			8. Well Name a	and No.
2. Name of Operator					
				9. API Well N	lo.
3a. Address		3b. Phone No. (include at	rea code)	10 5 11 15	1 1 1 4
				10. Field and Po	ool, or Exploratory Area
4. Location of Well (<i>Footage, Sec</i>	., T., R., M., or Survey Description,)		11. County or P	Parish, State
12. CHECK	APPROPRIATE BOX(ES) TO	O INDICATE NATURE	OF NOTICE, R	EPORT, OR O	THER DATA
TYPE OF SUBMISSION		TYPE	OF ACTION		
	Acidize	Deepen	Production (Sta	rt/Resume)	Water Shut-Off
Notice of Intent	Alter Casing	Fracture Treat	Reclamation	,	Well Integrity
Subsequent Report	Casing Repair	New Construction	Recomplete		Other
Subsequent Report	Change Plans	Dug and Abandon	Temporarily Ab	andon	
	Change Flans	riug and Abandon	remportantly 110	unuon	

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 recomplete 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

 I hereby certify that the foregoing is true and correct Name (Printed/Typed) 			
	Title		
Signature	Date		
THIS SPACE FOR FEDERAL	. OR	STATE OFFICE USE	
Approved by		Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warran certify that the applicant holds legal or equitable title to those rights in the subject lew which would entitle the applicant to conduct operations thereon.	nt or ase	Office	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any States any false, fictitious or fraudulent statements or representations as to any matter	person r withir	knowingly and willfully to make to a its jurisdiction.	any department or agency of the United
(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, either are shown below or 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 top of any left in the hole; method of closing top of well and date well site conditioned for final inspection looking to approval of the abandonment.

NOTICE

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:

This information is being collected to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

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 25 minutes 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 (1004-0135), Bureau Information Collection Clearance Officer, (WO-630), Mail Stop 401 LS, 1849 C St., N.W., Washington D.C. 20240

DISTRICT I Form C-102 State of New Mexico 1625 N. French Dr., Hobbs, N.M. 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 Revised August 1, 2011 Energy, Minerals & Natural Resources Department DISTRICT II 811 S. First St., Artesia, N.M. 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 Submit one copy to appropriate District Office OIL CONSERVATION DIVISION DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 1220 South St. Francis Dr. Santa Fe, NM 87505 DISTRICT IV □ AMENDED REPORT 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 WELL LOCATION AND ACREAGE DEDICATION PLAT ¹API Number ² Pool Code ³Pool Name 86120 TOCITO DOME MISSISSIPPIAN, NORTH ⁶ Well Number ⁴Property Code ⁵Property Name 6 NAVAJO TRIBAL P "OGRID No. ⁸Operator Name ⁹Elevation TACITUS, LLC 372957 5841' ¹⁰ Surface Location North/South line UL or lot no. Section Township Lot Idn Feet from the Feet from the East/West line Range County 686 SOUTH 2067' EAST SAN JUAN 0 7 26N 18W ¹¹ Bottom Hole Location If Different From Surface UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County 687 SOUTH 0 1917' EAST SAN JUAN 7 26N 18W ¹² Dedicated Acres ¹³ Joint or Infill ¹⁴ Consolidation Code 15 Order No. ALL SECTION 7 640 ACRES NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION 16 18 17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest BOTTOM HOLE (BHL) NAVAJO TRIBAL 6P WELL HEAD (SHL) 687' FSL 1917' FEL SEC. 7, T26N, R18W LAT. 36.497281' N 686' FSL 2067' FEL SEC. 7, T26N, R18W LAT. 36.497277' N or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owne LONG. 108.797725* W of such a mineral or working interest, or to a voluntary LONG. 108.798236* W pooling agreement or a compulsory pooling order heretofore entered by the division. Signature Date **Printed Name** E 5280.16' 5280.00' (R) E-mail Address SURVEYOR CERTIFICATION hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made LEASE #14-20-603-5033 by me or under my supervision, and that the same is ш ≥ C true and correct to the best of my belief. 00°30'56" N 0°03' W BASIS 0 JULY 29, 2022 Date of Survey Signature and Seal of Professional Surveyor: z BROAD HORIZONTAL DRILL 150.00' FAST BHI 1917 SHL 2067 08/30/202 SIONAL CALC N 89°25'07" W 5236.19 (M) WEST 5236.44' (R) FND 3 ¼" BC BLM 1989 **Certificate** Number

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"Tacitus, LLS is a wholly-owned subsidiary of NTEC Helium, LLC. NTEC Helium, LLC is a limited liability company organized under the laws of the Navajo Nation in the business of extracting and producing helium on the Navajo Nation. Accordingly, NTEC Helium, LLC provides the information contained on this form as a courtesy, but defers to the sovereignty of the Navajo Nation for purposes of the regulation of its helium operations."

Proposed Drilling Plan

Tacitus, LLC Tocito Dome Navajo Nation

Navajo Tribal P #6 ST1 Gas Well

Surface Location: 660' FSL – 1980' FEL Section 17, T26N, R18W San Juan County, New Mexico

> GL Elev. = 5830' Estimated KB height. = +14'

Proposed Bottom Hole Location: 660' FSL – 2130' FEL Section 17, T26N, R18W San Juan County, New Mexico

1. Estimated Tops for Important Geological Formations

Formation Tops	TOP TVD (ft)	Fluid Type
Gallup (Mancos)	0	Possible Aquifer to ~100'
Greenhorn	771	
Graneros	806	
Dakota	863	
Morriso, Salt Wash, Buff, Summerville	1052	
Todilito	2112	
Entrada	2135	
Carmel	2197	
Chinle	2760	
Shinarump	3523	
Moenkopi	3566	
De Chelley	3817	
Organ Rock/Culter Top	4370	Helium Interval
Middle Cutler	4711	
Cedar Mesa	5018	
Lower Cutler	5397	
Honaker Trail/Hermosa Top	5527	
Ismay (Hermosa)	5686	Helium Interval
Desert Creek (Hermosa)	5799	Helium Interval
Akah (Hermosa)	6005	Helium Interval

Barker Creek (Hermosa)	6173	Helium Interval
PSLVD (Hermosa)	6360	
Pinkerton	6432	
Molas	6542	Gas
MSSP Mix	6577	Helium Interval
Original Leadville	6622	Helium Interval
Unalterted Leadville	6650	Helium, Gas, Water
Ouray	6724	Gas, Water
Elbert	6745	Helium, Gas, Water
McCracken Top	6896	Helium, Gas, Water
Aneth	6972	Helium
Precambrian	7038	Helium
Total Depth	7188	

2. <u>Drilling Plan</u>

Remove tubing spool and starting head after production casing P&A operations are completed. Isolate and cap existing flow lines from the well head as needed.

Move in and rig up a drilling rig. Install a riser and flowline on the existing 13-3/8" conductor casing.

Make up a wash over shoe and wash pipe. Wash over the 8-5/8" and 5-1/2" casing to 240' MD. LD the wash pipe and cut the 8-5/8" and 5-1/2" casing at 235'. POOH with the casing cutter. Spear and LD the 8-5/8" and 5-1/2" casing.

TIH with open ended DP to the top of the casing. Circulate the hole clean with water. Mix and pump 160', balanced cement kick off plug from 235' to 75', 150 sx, 17.5 PPG, .93 cu. ft/sk. POOH with the DP.

Pick up 12-1/4" bit and directional BHA. Dress off the cement plug to 130' MD. Kick off the cement plug and directionally drill a 12-1/4" hole with water base mud to 1507' MD/1500' TVD. Build at 3°/100' to 6° inclination and 270° azimuth by 330'MD/329'TVD. Hold to 6° inclination and 270° azimuth to 1465'MD/1458'TVD. Start dropping inclination at 1.5°/100' and 270° azimuth to 1507'MD/1500'TVD.

Run 9-5/8" casing and cement to surface to protect fresh water above 1507'MD/1500'TVD.

Pick up 8-3/4" bit and directional BHA. Drill out the 9-5/8 casing. Continue dropping inclination at 1.5°/100' and 270° azimuth to vertical at 1865'MD/1857'TVD. Drill a vertical hole to TD at 7195'MD/7188'TVD as per the directional plan.

Run 7" casing and cement in single stage. Cement top will be 500' inside surface casing.

7" casing will be set in a legal location 660' FSL & 2130' FEL at 7195'MD/7188'TVD in section 17, T26N, R18W

3. Anticipated Depths of Prospective Gas and Other Hydrocarbons

Primary objective are the Elbert, McCracken and Aneth formations at an estimated depth of 6752'MD/6745'TVD to 7045'MD/7038'TVD.

See formation listings in #1 above for information.

4. Minimum Specifications For Pressure Control Equipment

The working pressure of all BOPE shall exceed the anticipated surface pressure to which it may be subjected, assuming a partially evacuated hole with a pressure gradient of 0.22 psi/ft.

Bottom Hole pressure = 7188'TVD x 0.52 psi/ft = 3737 psi (based on estimated bottom hole pressures).

Maximum Surface Pressure = 3737 psi - (7188 TVD x .22 psi/ft) = 3737 psi - 1581 psi = 2157 psi and is less than 3000 psi working pressure.

Therefore a 3000 psi BOPE system exceeds the requirements.

- A. <u>Wellhead Equipment 3000 PSI System (See Exhibit A)</u>
 - 1. 9 5/8" slip-on / welded x 11" 3,000 psi casing head.
 - 2. One (1) 11" 3,000 psi WP drilling spool with side outlets for 2" kill line and 3" choke line
 - 3. One 11" 3,000 psi WP blind ram on bottom complete with hand wheels and extension arms.
 - 4. One 11" 3,000 psi WP pipe ram on top complete with hand wheels and extension arms.
 - 5. One 11" x 3,000 psi WP annular preventer.
 - 6. Accumulator Four Station Koomey (or equivalent) closing unit. The accumulator shall have sufficient capacity to open the hydraulically-controlled gate valve and close all rams plus the annular preventer, with a 50% safety factor and retain a minimum of 200 psi above the precharge on the closing manifold without the use of the closing unit pumps. The reservoir capacity shall be double the usable accumulator capacity, and the fluid level shall be maintained at the manufacturer's recommendations.
 - 7. The BOP system shall have two (2) independent power sources available for powering the closing unit pumps. Nitrogen bottles are suitable as an independent power source and shall maintain a charge equal to the manufacturer's specification.
 - 8. A valve shall be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve shall be maintained in the open position and shall be closed only when the power source for the accumulator system is inoperative.

All BOP equipment will be hydraulically operated with controls accessible by the driller.

- B. Auxiliary Equipment To Be Used 3,000 PSI System
 - 1. Upper kelly cock valve with handles available.
 - 2. Safety valve and subs to all drill string connections in use.
 - 3. Choke manifold for 3,000 psi system with 2 chokes (pressure gauge on

P6 ST1

Proposed Drilling Plan

manifold).

- 4. One (1) kill line (2" minimum), with 2" kill line full open valves, plus a check valve.
- 5. Minimum 3" choke line.
- 6. Two choke line gate valves, 3" minimum, with one choke line gate valve being hydraulically operated.
- 7. Two chokes on choke manifold.
- 8. Fill-up line above the uppermost preventer.
- 9. Inside BOP or (float sub) available.
- 10. All BOPE connections subjected to well pressure shall be flanged, welded or clamped.

The wellhead BOP equipment will be installed on the 9-5/8" x 11" 3,000 psi WP casing head prior to drilling out from under surface casing. All ram preventers and related equipment will be tested to 3000 psi for 10 minutes. Annular preventers will be tested to 3000 psi pressure for 10 minutes. Surface casing will be tested to 1500 psi. All preventers and surface casing will be tested before drilling out of surface casing.

A 7-1/16" 5M X 11" 3M tubing spool will be installed on the wellhead after the 7" casing is run, cemented, and the casing is landed in the wellhead. The BOP equipment will be installed on the tubing spool. All ram preventers and related equipment will be tested to 3000 psi for 10 minutes. The annular preventer will be tested to 1500 psi pressure for 10 minutes. The 9-5/8" casing will be tested to 1500 psi. All preventers and 9-5/8" casing will be tested before drilling out of the 9-5/8" casing.

BOP equipment will be tested monthly and after any repairs are made to the BOP equipment. The ram and annular-type preventers will be checked for physical operation each trip but not more than once each twenty-four (24) hour period.

5. Proposed Bit and Casing Program

- A. <u>Bit Program</u>
 - 12 1/4" Surface Hole = 130 to 1507'MD/1500TVD

 8 3/4" = 1507'MD/1500' TVD to 7195'MD/7188'TVD = 7" Casing point

Casing & Hole Size	Weight	Grade	Coupling	Setting Depth (MD)	Comments
13-3/8" Conductor	54.5 ppf		ST&C	0' – 124' MD/TVD	Existing
9-5/8" (12 1/4") Surface Casing	36 ppf	J-55	LT&C	0' – 1507'MD/1500'TVD	New casing. Cement to surface.
7" (8 ³ / ₄ ") Production Casing	29 ppf	L-80	LT&C	0' –7195'MD/7188'TVD	New Casing. Cement top 1000'.

B. Casing Program - all casing stings are new casing

All casing will be new pipe, casing weights and grades are minimums and higher weights and higher grades maybe substituted.

The 9-5/8" surface casing will be tested to 1500 psi.

The 7" production casing will be tested to 1600 psi.

Minimum casing design factors used: Collapse - 1.125 Burst - 1.0 Jt. Strength - 1.2

Surface casing shall have a minimum of 1 centralizer per joint on the bottom three (3) joints, starting with the shoe joint for a total of (3) minimum centralizers. Production casing shall have a minimum of 7 centralizers, one placed on the shoe joint, and 6 placed every other joint on the casing collars.

Protection of oil, gas, water, or other mineral bearing formations:

Protection shall be accomplished by setting surface casing below base of possible aquifer and cementing surface casing to surface.

Surface	Casing Design	- Evacuated	Max SIC	P (collaspe	& burst), 10	00k overp	ull (tension)	
	Size	Weight	Grade	Conn	Collapse	Burst	Tension	Notes
Surface	9.625	36	J-55	LTC	2,020	3,520	453,000	0' - 1507'
					1.125	1.000	1.200	
36 ppf J55	LTC							
Collapse	Casing Depth	MW in	MW out	Pres in	Pres out	SF		
	1507	0	9	0	705	2.86		
Burst	1507	9	0	705	0	4.99		
		Mud Wt	Air Wt	Bouy Wt	BW +100k		100k over p	ull
Tension	1507	9	54,252	46,798	146,798	3.09		
		BF					BF= 1- (MW	/65.5
		0.8626						

7" Casing D	esign - Evacı	ated/Max	Mud Wt (d	ollaspe	& burst),	100k ov	erpull (te	ension)		
Intermediate	Top Interval	Btm Interval	Size	Weight	Grade	Conn	Collapse	Burst	Tension	Notes
Interval 1	0	7195	7	29	L-80	LTC	7,020	8,160	587,000	
					Sa	afety Factor	1.125	1.000	1.200	
Collapse			Depth TVD	MW in	MW out	Pres in	Pres out	SF - 1.125		
Interval 1	0	7195	7188	0	10.0	0	3738	1.878		
Burst			Depth TVD	MW in	MW out	Pres in	Pres out	SF - 1.0	Frac Pres	
Interval 1	0	7195	7188	10.0	0	3738	0	2.18	0	
							Bu	rst pressure	e = Hyd + fra	ac pressur
Tension				Mud Wt	Air Wt	Bouy Wt	BW +100k	SF - 1.2		
Interval 1	0	7195	7188	10.0	208,452	176,627	276,627	2.12		
				BF					BF= 1- (M	W)/65.5
				0.8473						

6. <u>Proposed Cementing Program</u>

> <u>9-5/8" Surface Casing Single Stage Job – (0-1507'):</u> Excess – 50% over gauge in open hole – 12-1/4" hole and 9-5/8" casing (0.3132ft3/ft) Top of Cement - Surface

> **Lead Cement Slurry - (0' – 1250'): 258 sx** - 12.5 ppg, conventional cement containing: Gypsum, Sodium metasilicate, CaCl2, and LCM. Yield – 2.23 ft3/sx

Tail Cement Slurry - (1250' - 1507): 112 sx - 15.2 ppg, conventional cement containing: CaCl2, and LCM. Yield - 1.25 ft3/sx

Total sacks of cement pumped = 370 sks

<u>7" Production Casing – Two Stage Job – (4100-7195'MD & 0-4100' MD):</u> 8-3/4" hole and 7" casing (0.1503 ft3/ft). Top of Cement –1000'.

First Stage Lead Cement- (4400' – 5600'): 85.1 sx – 12.5 ppg, Type III conventional cement, Yield – 2.12 ft3/sx

First Stage Tail Cement- (5600' – 7195'): 205.2sx – 15.2 ppg, Class G conventional cement, Yield – 1.25 ft3/sx

Second Stage Lead Cement- (1000' – 3800'): 198.6 sx – 12.5 ppg, Type III conventional cement, Yield – 2.12 ft3/sx

Second Stage Tail Cement- (3800' – 4400): 61.8sx – 15.2 ppg, Class G 50/50 Poz, conventional cement, Yield – 1.25 ft3/sx

Total sacks of cement pumped = 550.7 sks

Cement volumes are minimums and may be adjusted based on hole conditions. Cement mixtures maybe adjusted based on lab testing results and hole conditions.

7. Characteristics for Drilling Fluids (all depths are MD)

Depth	Hole Size	Mud Type	Mud Weight	Funnel Vis	YP/PV	Fluid Loss	Chlorides
124'-1507'	12.25"	Spud	8.4-9	38-45	12/16	NC	<1200 mg/l
1507'-7195'	8.75"	KCL	8.6-10	42-60	10/20	5-10	30000 mg/l

Sufficient weighting material will be on hand to weight mud up .5 PPG, if required.

The formula for weight up with barite is listed below:

Sacks of Barite per 100 bbl of mud = $1470 \text{ x} (W2 - W1) \div (35 - W2)$

Where; W1 = current mud weight and W2 = new mud weight

Sacks = 1470 x (10.5 – 10)/ (35-10.5) = 30 * 9 (900 bbls minimum) = 270 sx

Pit Volume Totalizer (PVT) equipment will be on each pit to monitor pit levels.

8. Testing, Logging, Coring and Completion Program

- A. Drill-Stem Testing Program: None
- B. Logging Program: From Surface casing shoe to TD: LWD GR Wireline triple combo, dipole sonic, image, and NMR Submission of digital logging data shall be in Log ASCII Standard (LAS) file format.
- C. <u>Mud Logging</u> Geologist & a manned mud-logging unit will be operational from ~3500' to TD.
- D. Coring: Optional SWC's to be determined.
- E. <u>Cement Bond Log</u>: Will be run after setting the 7" casing. The CBL will confirm the quality of the cement bond and the actual TOC.
- F. <u>Completion Program:</u> Well will be completed in the 7" casing point. The completion intervals will be determined from the logs. The well may be treated with an acid stimulation if needed.

9. Expected Bottom Hole Pressure and any Anticipated Abnormal Pressures, Temperatures or Other Potential Hazards

- A. Maximum expected bottom-hole pressure is 0.52 psi/ft x 7188'TVD = 3738 psi.
- B. Expected bottom-hole temperature @ TD is 150 °F.
- C. Lost circulation is possible while drilling the upper zones and loss circulation material will be on location.
- D. No H2S sour gas is known to exist in the formations that will be drilled through.

10. Plugging and Abandonment

No plugging and abandonment of the well would occur until after the well has been drilled, completed, and production tested, unless extenuating circumstances arise. Full authorization will be verbally sought from the BLM, New Mexico Oil Conservation Division and Navajo Nation authorities prior to actual plugging operations being initiated with written reports submitted as a followed up.

Exhibit A: Blow Out Prevention Equipment

3000# BOP AND CHOKE MANIFOLD





TACITUS, LLC

SAN JUAN County, NM 26N 18W SEC 07 NAVAJO TRIBAL P #6

ST01

Plan: ST01 Rev0

Standard Planning Report

29 July, 2022





Planning Report



Database: Company: Project: Site: Well: Wellbore: Design:	EDM 50 TACITU SAN JU 26N 18 ⁰ NAVAJ0 ST01 ST01 R	000.1 Seidelte IS, LLC JAN County, N W SEC 07 D TRIBAL P #4 ev0	ch IM 6		Local Co- TVD Refer MD Refer North Ref Survey Ca	ordinate Refer rence: ence: erence: alculation Metl	ence: 10d:	Well NAVAJO T KB @ 5844.00f KB @ 5844.00f True Minimum Curva	RIBAL P #6 t (AWS 1099) t (AWS 1099) ature	
Project	SAN JUA	AN County, N	N							
Map System: Geo Datum: Map Zone:	US State North Ame New Mexie	Plane 1983 erican Datum ´ co Western Zo	1983 one		System Dat	tum:	Me	ean Sea Level		
Site	26N 18V	V SEC 07								
Site Position: From: Position Uncertainty	Lat/Lo	ong 0.	North Eastir .00 ft Slot R	ing: ıg: adius:	2,001 2,439	,700.91 usft ,569.99 usft 13.200 in	Latitude: Longitude: Grid Converg	jence:		36.497185 -108.797943 -0.57 °
Well	NAVAJO	TRIBAL P #6,	26N 18W SE	C 17						
Well Position Position Uncertainty	+N/-S +E/-W	-5,279 5,28 (9.89 ft No 1.23 ft Ea 0.00 ft W	orthing: Isting: ellhead Elevatio	on:	1,996,368.40 2,444,798.06 5,830.0	usft Lat usft Lor 00 ft Gro	itude: ngitude: ound Level:		36.482681 -108.779980 5,830.00 ft
	_									
Wellbore	ST01									
Magnetics	Mod	el Name	Sampl	e Date	Declina (°)	tion	Dip A (Angle °)	Field \$ (I	Strength nT)
		IGRF2020		07/22/22		9.15		62.77		49,213
Design	ST01 Re	ev0								
Audit Notes: Version:			Phas	e: Pl	_AN	Tie	On Depth:		100.00	
Vertical Section:		D	epth From (T)	/D)	+N/-S (ft)	+E	/-W	Diı	rection	
			0.00		0.00	0.	00	2	70.17	
Plan Sections										
Moasurod			Vortical			Doglog	Build	Turn		
Depth Incli	nation	Azimuth	Depth	+N/-S	+E/-W	Rate	Rate	Rate	TFO	_
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(°/100usft)	(°/100usft)	(°/100usft)	(°)	Target
100.00	0.20	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
330.11	0.20 6.00	0.00 270.00	329.75	0.11	0.00 -10.47	0.00 3.00	0.00 2.90	0.00 -44.97	0.00 -91.92	
1,464.81	6.00	270.00	1,458.23	0.46	-129.08	0.00	0.00	0.00	0.00	
1,864.81 7,195.31	0.00 0.00	0.00 0.00	1,857.50 7,188.00	0.46 0.46	-150.00 -150.00	1.50 0.00	-1.50 0.00	0.00 0.00	180.00 0.00	Navajo Tribal P #6 PI

.



Planning Report



Database:	EDM 5000.1 Seideltech	Local Co-ordinate Reference:	Well NAVAJO TRIBAL P #6
Company:	TACITUS, LLC	TVD Reference:	KB @ 5844.00ft (AWS 1099)
Project:	SAN JUAN County, NM	MD Reference:	KB @ 5844.00ft (AWS 1099)
Site:	26N 18W SEC 07	North Reference:	True
Well:	NAVAJO TRIBAL P #6	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01		
Design:	ST01 Rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
100.00	0.20	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
Tie-On	0.20	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	0.20	0.00	130.00	0.11	0.00	0.00	0.00	0.00	0.00
Build 3°/100	DLS								
200.00	2.10	273.58	199.98	0.31	-1.28	1.28	3.00	2.72	-123.46
300.00	5.10	270.34	299.78	0.45	-7.56	7.56	3.00	2.99	-3.24
330.11	6.00	270.00	329.74	0.46	-10.47	10.47	3.00	3.00	-1.14
Hold INC									
400.00	6.00	270.00	399.25	0.46	-17.77	17.77	0.00	0.00	0.00
500.00	6.00	270.00	498.70	0.46	-28.23	28.23	0.00	0.00	0.00
600.00	6.00	270.00	598.16	0.46	-38.68	38.68	0.00	0.00	0.00
700.00	6.00	270.00	697.61	0.46	-49.13	49.13	0.00	0.00	0.00
773.80	6.00	270.00	771.00	0.46	-56.85	56.85	0.00	0.00	0.00
Greenhorn									
800.00	6.00	270.00	797.06	0.46	-59.58	59.59	0.00	0.00	0.00
808.99	6.00	270.00	806.00	0.46	-60.52	60.53	0.00	0.00	0.00
Graneros									
866.30	6.00	270.00	863.00	0.46	-66.52	66.52	0.00	0.00	0.00
Dakota									
900.00	6.00	270.00	896.51	0.46	-70.04	70.04	0.00	0.00	0.00
1,000.00	6.00	270.00	995.96	0.46	-80.49	80.49	0.00	0.00	0.00
1,056.34	6.00	270.00	1,052.00	0.46	-86.38	86.38	0.00	0.00	0.00
Morriso, Sal	t Wash, Buff, Su	mmerville							
1,100.00	6.00	270.00	1,095.42	0.46	-90.94	90.94	0.00	0.00	0.00
1,200.00	6.00	270.00	1,194.87	0.46	-101.40	101.40	0.00	0.00	0.00
1,300.00	6.00	270.00	1,294.32	0.46	-111.85	111.85	0.00	0.00	0.00
1,400.00	6.00	270.00	1,393.77	0.46	-122.30	122.30	0.00	0.00	0.00
1,464.81	6.00	270.00	1,458.23	0.46	-129.08	129.08	0.00	0.00	0.00
Drop 1.5°/10	0 DLS								
1,500.00	5.47	270.00	1,493.24	0.46	-132.59	132.59	1.50	-1.50	0.00
1,600.00	3.97	270.00	1,592.90	0.46	-140.83	140.83	1.50	-1.50	0.00
1,700.00	2.47	270.00	1,692.74	0.46	-146.45	146.45	1.50	-1.50	0.00
1,000.00	0.97	270.00	1,792.09	0.46	-149.45	149.45	1.50	-1.50	0.00
1,864.81	0.00	0.00	1,857.50	0.46	-150.00	150.00	1.50	-1.50	138.87
Vertical Poin	nt o oo	0.00	4 000 00	0.40	450.00	450.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,092.09	0.46	-150.00	150.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2 002 60	0.40	-150.00	150.00	0.00	0.00	0.00
2,100.00 2 119 31	0.00	0.00	2,092.09	0.40	-150.00	150.00	0.00	0.00	0.00
Todilito	0.00	0.00	2,112.00	0.70	100.00	100.00	0.00	0.00	0.00
0 1 4 0 0 4	0.00	0.00	2 135 00	0.46	150.00	150.00	0.00	0.00	0.00
Z, 14Z.31	0.00	0.00	2,135.00	0.40	-150.00	130.00	0.00	0.00	0.00
2 200 00	0.00	0.00	2 192 69	0.46	-150.00	150.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,197.00	0.46	-150.00	150.00	0.00	0.00	0.00
Carmel									
2,300.00	0.00	0.00	2,292.69	0.46	-150.00	150.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,392.69	0.46	-150.00	150.00	0.00	0.00	0.00
2 500 00	0.00	0.00	2 492 69	0.46	-150.00	150.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,492.09	0.40	-150.00	150.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,692.69	0.46	-150.00	150.00	0.00	0.00	0.00
2,767.31	0.00	0.00	2,760.00	0.46	-150.00	150.00	0.00	0.00	0.00
Chinle			,						
2 800 00	0.00	0.00	2,792,69	0.46	-150.00	150.00	0.00	0.00	0.00

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COMPASS 5000.1 Build 70



Planning Report



Database:	EDM 5000.1 Seideltech	Local Co-ordinate Reference:	Well NAVAJO TRIBAL P #6
Company:	TACITUS, LLC	TVD Reference:	KB @ 5844.00ft (AWS 1099)
Project:	SAN JUAN County, NM	MD Reference:	KB @ 5844.00ft (AWS 1099)
Site:	26N 18W SEC 07	North Reference:	True
Well:	NAVAJO TRIBAL P #6	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01		
Design:	ST01 Rev0		

Planned Survey

I	Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
	2,900.00	0.00	0.00	2,892.69	0.46	-150.00	150.00	0.00	0.00	0.00
	3 100 00	0.00	0.00	3 092 69	0.40	-150.00	150.00	0.00	0.00	0.00
	3,200.00	0.00	0.00	3,192.69	0.46	-150.00	150.00	0.00	0.00	0.00
	3,300.00	0.00	0.00	3,292.69	0.46	-150.00	150.00	0.00	0.00	0.00
	3,400.00	0.00	0.00	3,392.69	0.46	-150.00	150.00	0.00	0.00	0.00
	3,500.00	0.00	0.00	3,492.69	0.46	-150.00	150.00	0.00	0.00	0.00
	3,530.31	0.00	0.00	3,523.00	0.46	-150.00	150.00	0.00	0.00	0.00
	Shinarump									
	3,573.31	0.00	0.00	3,566.00	0.46	-150.00	150.00	0.00	0.00	0.00
	3 600 00	0.00	0.00	3 502 60	0.46	-150.00	150.00	0.00	0.00	0.00
	3,000.00	0.00	0.00	0,002.00	0.40	-150.00	150.00	0.00	0.00	0.00
	3,700.00	0.00	0.00	3,692.69	0.46	-150.00	150.00	0.00	0.00	0.00
	3,800.00	0.00	0.00	3,792.09	0.46	-150.00	150.00	0.00	0.00	0.00
	De Chellev	0.00	0.00	0,011.00	0.10	100.00	100.00	0.00	0.00	0.00
	3,900.00	0.00	0.00	3,892.69	0.46	-150.00	150.00	0.00	0.00	0.00
	4,000.00	0.00	0.00	3,992.69	0.46	-150.00	150.00	0.00	0.00	0.00
	4,100.00	0.00	0.00	4,092.69	0.46	-150.00	150.00	0.00	0.00	0.00
	4,200.00	0.00	0.00	4,192.69	0.46	-150.00	150.00	0.00	0.00	0.00
	4,300.00	0.00	0.00	4,292.69	0.46	-150.00	150.00	0.00	0.00	0.00
	4,377.31	0.00	0.00	4,370.00	0.46	-150.00	150.00	0.00	0.00	0.00
	Organ Rock/	Culter Top	0.00	4 202 60	0.46	150.00	150.00	0.00	0.00	0.00
	4,400.00	0.00	0.00	4,392.09	0.40	-150.00	150.00	0.00	0.00	0.00
	4,500.00	0.00	0.00	4,492.69	0.46	-150.00	150.00	0.00	0.00	0.00
	4,800.00	0.00	0.00	4,592.69	0.46	-150.00	150.00	0.00	0.00	0.00
	4,718.31	0.00	0.00	4,711.00	0.46	-150.00	150.00	0.00	0.00	0.00
	Middle Cutler	r								
	4,800.00	0.00	0.00	4,792.69	0.46	-150.00	150.00	0.00	0.00	0.00
	4,900.00	0.00	0.00	4,892.69	0.46	-150.00	150.00	0.00	0.00	0.00
	5,000.00	0.00	0.00	4,992.69	0.46	-150.00	150.00	0.00	0.00	0.00
	5,025.31	0.00	0.00	5,018.00	0.46	-150.00	150.00	0.00	0.00	0.00
	Cedar Mesa	0.00	0.00	5 000 00	0.40	450.00	450.00	0.00	0.00	0.00
	5,100.00	0.00	0.00	5,092.69	0.46	-150.00	150.00	0.00	0.00	0.00
	5,200.00	0.00	0.00	5,102.00	0.40	150.00	100.00	0.00	0.00	0.00
	5,300.00	0.00	0.00	5,292.69	0.46	-150.00	150.00	0.00	0.00	0.00
	5.404.31	0.00	0.00	5.397.00	0.46	-150.00	150.00	0.00	0.00	0.00
	Lower Cutler			-,						
	5,500.00	0.00	0.00	5,492.69	0.46	-150.00	150.00	0.00	0.00	0.00
	5,534.31	0.00	0.00	5,527.00	0.46	-150.00	150.00	0.00	0.00	0.00
	Honaker Trai	l/Hermosa Top								
	5,600.00	0.00	0.00	5,592.69	0.46	-150.00	150.00	0.00	0.00	0.00
	5,693.31	0.00	0.00	5,686.00	0.46	-150.00	150.00	0.00	0.00	0.00
	Ismay (Hermo	osa)								
	5,700.00	0.00	0.00	5,692.69	0.46	-150.00	150.00	0.00	0.00	0.00
	5,000.00 5,806 31	0.00	0.00	5,792.09 5,799.00	0.40	-150.00	150.00	0.00	0.00	0.00
	Desert Creek	(Hermosa)	0.00	0,199.00	0.40	- 100.00	100.00	0.00	0.00	0.00
	_ 000 00	0.00	0.00	F 000 00	0.40	450.00	450.00	0.00	0.00	0.00
	5,900.00	0.00	0.00	5,892.69	0.46	-150.00	150.00	0.00	0.00	0.00
	0,000.00	0.00	0.00	3,332.09	0.40	-130.00	130.00	0.00	0.00	0.00

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COMPASS 5000.1 Build 70



Planning Report



Database:	EDM 5000.1 Seideltech	Local Co-ordinate Reference:	Well NAVAJO TRIBAL P #6
Company:	TACITUS, LLC	TVD Reference:	KB @ 5844.00ft (AWS 1099)
Project:	SAN JUAN County, NM	MD Reference:	KB @ 5844.00ft (AWS 1099)
Site:	26N 18W SEC 07	North Reference:	True
Well:	NAVAJO TRIBAL P #6	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01		
Design:	ST01 Rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,012.31	0.00	0.00	6,005.00	0.46	-150.00	150.00	0.00	0.00	0.00
Akah (Herm	iosa)								
6,100.00 6,180.31	0.00 0.00	0.00 0.00	6,092.69 6,173.00	0.46 0.46	-150.00 -150.00	150.00 150.00	0.00 0.00	0.00 0.00	0.00 0.00
Barker Cree	ek (Hermosa)								
6,200.00 6,300.00 6,367.31	0.00 0.00 0.00	0.00 0.00 0.00	6,192.69 6,292.69 6,360.00	0.46 0.46 0.46	-150.00 -150.00 -150.00	150.00 150.00 150.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
PSLVD (Her	mosa)								
6,400.00 6,439.31	0.00 0.00	0.00 0.00	6,392.69 6,432.00	0.46 0.46	-150.00 -150.00	150.00 150.00	0.00 0.00	0.00 0.00	0.00 0.00
Pinkerton									
6,500.00 6,549.31	0.00 0.00	0.00 0.00	6,492.69 6,542.00	0.46 0.46	-150.00 -150.00	150.00 150.00	0.00 0.00	0.00 0.00	0.00 0.00
Molas									
6,584.31	0.00	0.00	6,577.00	0.46	-150.00	150.00	0.00	0.00	0.00
MSSP Mix									
6,600.00 6,629.31	0.00 0.00	0.00 0.00	6,592.69 6,622.00	0.46 0.46	-150.00 -150.00	150.00 150.00	0.00 0.00	0.00 0.00	0.00 0.00
Original Lea	adville								
6,657.31	0.00	0.00	6,650.00	0.46	-150.00	150.00	0.00	0.00	0.00
Unalterted L	_eadville								
6,700.00 6,731.31	0.00 0.00	0.00 0.00	6,692.69 6,724.00	0.46 0.46	-150.00 -150.00	150.00 150.00	0.00 0.00	0.00 0.00	0.00 0.00
Ouray									
6,752.31	0.00	0.00	6,745.00	0.46	-150.00	150.00	0.00	0.00	0.00
Elbert									
6,800.00	0.00	0.00	6,792.69	0.46	-150.00	150.00	0.00	0.00	0.00
6,900.00 6,903.31	0.00 0.00	0.00 0.00	6,892.69 6,896.00	0.46 0.46	-150.00 -150.00	150.00 150.00	0.00 0.00	0.00 0.00	0.00 0.00
McCracken	Тор								
6,979.31	0.00	0.00	6,972.00	0.46	-150.00	150.00	0.00	0.00	0.00
Aneth 7,000.00 7.045.31	0.00	0.00	6,992.69	0.46	-150.00	150.00	0.00	0.00	0.00
Precambria	n 0.00	0.00	7,000.00	0.40	-130.00	130.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,092.69	0.46	-150.00	150.00	0.00	0.00	0.00
7,195.31	0.00	0.00	7,188.00	0.46	-150.00	150.00	0.00	0.00	0.00
PBHL/ID at	7195.31MD								

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Navajo Tribal P #6 PBH - plan misses target - Point	0.00 center by 0.46	359.44 ift at 7195.3	7,188.00 1ft MD (7188	0.00 8.00 TVD, 0.46	-150.00 5 N, -150.00 E)	1,996,369.88	2,444,648.07	36.482681	-108.780490

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Planning Report



Database:	EDM 5000.1 Seideltech	Local Co-ordinate Reference:	Well NAVAJO TRIBAL P #6
Company:	TACITUS, LLC	TVD Reference:	KB @ 5844.00ft (AWS 1099)
Project:	SAN JUAN County, NM	MD Reference:	KB @ 5844.00ft (AWS 1099)
Site:	26N 18W SEC 07	North Reference:	True
Well:	NAVAJO TRIBAL P #6	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01		
Design:	ST01 Rev0		

Formations

Mea De	epth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	0.00	0.00	Gallup (Mancos)			
	773.80	771.00	Greenhorn			
	808.99	806.00	Graneros			
	866.30	863.00	Dakota			
1	,056.34	1,052.00	Morriso, Salt Wash, Buff, Summerville			
2	2,119.31	2,112.00	Todilito			
2	2,142.31	2,135.00	Entrada			
2	2,204.31	2,197.00	Carmel			
2	2,767.31	2,760.00	Chinle			
3	3,530.31	3,523.00	Shinarump			
3	3,573.31	3,566.00	Moenkopi			
3	3,824.31	3,817.00	De Chelley			
4	1,377.31	4,370.00	Organ Rock/Culter Top			
4	l,718.31	4,711.00	Middle Cutler			
5	5,025.31	5,018.00	Cedar Mesa			
5	5,404.31	5,397.00	Lower Cutler			
5	5,534.31	5,527.00	Honaker Trail/Hermosa Top			
5	5,693.31	5,686.00	Ismay (Hermosa)			
5	5,806.31	5,799.00	Desert Creek (Hermosa)			
6	6,012.31	6,005.00	Akah (Hermosa)			
6	6,180.31	6,173.00	Barker Creek (Hermosa)			
6	6,367.31	6,360.00	PSLVD (Hermosa)			
6	3,439.31	6,432.00	Pinkerton			
6	6,549.31	6,542.00	Molas			
6	6,584.31	6,577.00	MSSP Mix			
6	629.31	6,622.00	Original Leadville			
6	657.31	6,650.00	Unalterted Leadville			
6	6,731.31	6,724.00	Ouray			
6	6,752.31	6,745.00	Elbert			
6	6,903.31	6,896.00	McCracken Top			
6	6,979.31	6,972.00	Aneth			
7	7,045.31	7,038.00	Precambrian			
7	7,195.31	7,188.00	Total Depth			

Plan Annotations					
Measured	Vertical	Local Coordinates			
Depth	Depth	Depth +N/-S			
(ft)	(ft)	(ft)	(ft)		
.,	. ,	(,	()		
100.00	100.00	0.00	0.		

(11)	(11)	(π)	(π)		comment
10	0.00 10	0.00	0.00	0.00	Tie-On
13	0.00 13	0.00	0.11	0.00 E	Build 3°/100 DLS
33	0.11 32	9.74	0.46	10.47 I	Hold INC
1,46	4.81 1,45	8.23	0.46 1	129.08 [Drop 1.5°/100 DLS
1,86	4.81 1,85	7.50	0.46 1	150.00	Vertical Point
7,19	5.31 7,18	8.00	0.46 1	150.00 F	PBHL/TD at 7195.31MD

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TACITUS, LLC

SAN JUAN COUNTY, NEW MEXICO (NAD 83) SEC. 7 T26N R18W NAVAJO TRIBAL P #6

SIDETRACK 06 September, 2022

Plan: PROPOSAL #3 - SIDETRACK



MESAWEST DIRECTIONAL



Project: SAN JUAN COUNTY, NEW MEXICO (Site: SEC. 7 T26N R18W Well: NAVAJO TRIBAL P #6 Wellbore: SIDETRACK **Design: PROPOSAL #3 - SIDETRACK**

JAN COUNTY, NEW MEXICO (NAD 83)		V	VELL DETAILS: NAVAJO TRIB	AL P #6	
JS State Plane 1983			Ground Level: 5841.00		
North American Datum 1983 GRS 1980	+N/-S 0.00	+E/-W Northin 0.00 2001735.3	g Easting Latit 3 2439484.23 36.4	ttude Longitude 97277 -108.798236	
New Mexico Western Zone			DESIGN TARGET DETAIL	S	
SEC. 7 T26N R18W	Name PROP BHL - SIDETRACK - NAVAJO 1	TVD RIBAL P #6 (P3) 7190.00	+N/-S +E/-W Northing 1.46 150.21 2001735.29	g Easting Latitude 2439634.44 36.497281	Longitude -108.797725
		ANNOTATIONS			
MDIncAzi154.000.000.00354.006.0089.441390.706.0089.441506.564.8489.441990.700.000.007197.140.000.00	TVD+N/-S154.000.00353.630.101384.661.161500.001.261983.561.467190.001.46	+E/-WVSect0.000.0010.4610.46118.82118.83129.77129.77150.21150.21150.21150.21	Departure Annotation 0.00 SIDETRACK POIL 10.46 EOB TO 6° INC 118.83 END OF TANGEN 129.77 9 5/8" SURFACE 150.21 EOD TO VERTICA 150.21 PROPOSED BHL	NT (3°/100ft) NT CASING AL : 687ft FSL & 1917ft FEL of Sec 7	7
				FORMATION	TOP DETAILS
Azimuths to True North Magnetic North: 9.15° Magnetic Field Strength: 49209.6nT Dip Angle: 62.78° Date: 2022-08-23 Model: IGRF2020		PROPOSED BHL: 687	'ft FSL & 1917ft FEL of Sec 7	TVDPath MDPath 773.00 775.68 808.00 810.87 865.00 868.18 1054.00 1058.22 2114.00 2121.14 2137.00 2144.14 2199.00 2206.14 2762.00 2769.14 3525.00 3532.14 3568.00 3575.14 3819.00 3826.14 4372.00 4379.14 4713.00 4720.14 5020.00 5027.14 5399.00 5406.14 5529.00 5536.14 5688.00 5695.14 5801.00 5808.14 6007.00 6014.14 6175.00 6182.14 6362.00 6369.14 6434.00 6441.14 6579.00 6586.14 6624.00 6631.14 6622.00 6659.14 6726.00 6733.14 6747.00 6754.14 6898.00 6905.14 6747.00 6784	Formation GREENHORN GRANEROS DAKOTA SUMMERVILLE TODILITO ENTRADA CARMEL CHINLE SHINARUMP MOENKOPI DE CHELLEY ORGAN ROCK/CUTLER TOP MIDDLE CUTLER CEDAR MESA LOWER CUTLER CEDAR MESA LOWER CUTLER HONAKER TRAIL/HERMOSA TOP ISMAY (HERMOSA) DESERT CREEK (HERMOSA) DESERT CREEK (HERMOSA) BARKER CREEK (HERMOSA) BARKER CREEK (HERMOSA) PSLVD (HERMOSA) PSLVD (HERMOSA) PINKERTON MOLAS MSSP MIX ORIGINAL LEADVILLE UNALTERED LEADVILLE OURAY ELBERT MCCRACKEN TOP
SIDETRACK POINT (3°/100ft)				7040.00 7047.14	PRECAMBRIAN
				PROPOSED	COORDINATES
		END OF TANGENT		SHL: 686ft FSL &	2067ft FEL of Sec 7
		EOD TO) VERTICAL	BHL: 68/ft FSL &	191/ft FEL of Sec /
SEC 7					
-10 0 10 20 30 40	50 60 70 80 9	0 100 110 120 West(-)/East(+)	130 140 150 160 ⁻ (12 usft/in)	170 180 190 200 210	220 230 240 250

Planning Report



Database: Company: Project: Site: Well: Wellbore: Design:		Database 1 TACITUS, L SAN JUAN 83) SEC. 7 T26 NAVAJO TR SIDETRACI PROPOSAL	LC COUNTY, NE N R18W RIBAL P #6 K _ #3 - SIDETF	I NAD I	Local Co-ordinate Reference:Well NTVD Reference:KB (1)MD Reference:KB (1)North Reference:TrueSurvey Calculation Method:Minim			Vell NAVAJO TRIBAL P#6 <b (14ft)="" (aztec="" 5855.00usft="" 980)<br="" @=""><b (14ft)="" (aztec="" 5855.00usft="" 980)<br="" @="">Frue Minimum Curvature				
Project		SAN JUAN C	COUNTY, NE	N MEXICO (N	AD 83)							
Map System Geo Datum: Map Zone:	1:	US State Plan North America New Mexico V	ie 1983 in Datum 198 Vestern Zone	S	System Datum: Mean Sea Level							
Site	Site SEC. 7 T26N R18W											
Site Position From: Position Une	n: certain	Lat/Long ty:	0.00 usft	Northing: Easting: Slot Radius:		2,001,735. 2,439,484. 1.	³³ usft La 23usft Lo 10ft Gr	titude: ngitude: id Conve	rgence:		36.497277 -108.798236 -0.57 °	
Well		NAVAJO TRI	BAL P #6									
Well Position +N/-S 0.00 usft Northing: +E/-W 0.00 usft Easting:				:	2,001,735.33 usfl Latitude: 36.4 2,439,484.23 usfl Longitude: -108.7					36.497277 -108.798236		
Position Un	certain	ty	0.00 usft	Wellhead	Elevatio	n:	ust	ft Gro	ound Level:		5,841.00 usft	
Wellbore		SIDETRAC	<									
Magnetics		Model Na	20	Sample Date 2022-08-23		Declination (°) 9.15	I	Dip A (° 62.	.ngle) 78	Field Stre (nT) 49,209.557	ength /96184	
Design		PROPOSAL	#3 - SIDETR	ACK								
Audit Notes Version:	:			Phase:	PLAN	1	Tie Oi	n Depth:		154.00		
Vertical Sec	tion:		Depth F (ເ	rom (TVD) ısft)		+N/-S (usft)	+E/-W (usft)	1	Dire	ection (°)		
			7,1	90.00		0.00	0.00		89	9.44		
Plan Section	าร								_			
MD (usft)	Inc (°)	Azi (°)	Vertical Depth	SS (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usf	Build Rate (°/100us	Turn Rate f (°/100usf	TFO (°)	Target	
154.00	0.00	0.00	154.00	-5,701.00	0.00	0.00	0.00	0.00	0.00	0.00		
354.00	6.00	89.44	353.63	-5,501.37	0.10	10.46	3.00	3.00	0.00	89.44		
1,390.70	6.00	89.44	1,384.66	-4,470.34	1.16	118.82	0.00	0.00	0.00	0.00		
1,506.56	4.84	89.44	1,500.00	-4,355.00	1.26	129.77	1.00	-1.00	0.00	180.00		
1,990.70	0.00	0.00	1,983.56	-3,8/1.44	1.46	150.21	1.00	-1.00	0.00	180.00		
7,197.14	0.00	0.00	7,190.00	1,335.00	1.40	150.21	0.00	0.00	0.00	0.00		

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Planning Report



Database: Company: Project:	Datal TACI SAN 83)	base 1 TUS, LLC JUAN COUN ⁻	ΓΥ, NEW MEX	(ICO (NAD	Local Co-or TVD Refere MD Referer	rdinate Reference: nce: nce:	ence:	Well NAVAJO TRIBAL P#6 KB (14ft) @ 5855.00usft (AZTEC 980) KB (14ft) @ 5855.00usft (AZTEC 980)			
Site: Well: Wellbore: Design:	SEC. NAVA SIDE PROI	7 T26N R18V AJO TRIBAL P TRACK POSAL #3 - S	V 9#6 IDETRACK		North Refer Survey Cal	rence: culation Meth	nod:	True Minimum Curvature			
Planned Survey	y										
							Ma	al Daulau	Decilial	T	
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Section Section Section	cal Dogleg on Rate :) (°/100usft)	Rate (°/100usft)	Rate (°/100usft)	
SIDETF		IT (3°/100ft)									
154.00 200.00	<i>0.00</i> 1.38	<i>0.00</i> 89 44	154.00 200.00	5,701.00 5,655,00	0.00 0.01	0.00 0.55	0.00	0.00	0.00 3.00	0.00	
300.00	4.38	89.44	299.86	5,555.14	0.05	5.58	5.58	3.00	3.00	0.00	
EOB TO	D 6° INC										
354.00	6.00	89.44	353.63	5,501.37	0.10	10.46	10.4	6 3.00	3.00	0.00	
400.00	6.00 6.00	89.44 89.44	399.38	5,455.62 5,356.17	0.15	15.27 25.72	15.2 25.7	7 0.00 2 0.00	0.00	0.00	
600.00	6.00	89.44	598.29	5,256.71	0.35	36.17	36.1	8 0.00	0.00	0.00	
700.00	6.00	89.44	697.74	5,157.26	0.45	46.63	46.6	3 0.00	0.00	0.00	
GREEN	HORN										
775.68	6.00	89.44	773.00	5,082.00	0.53	54.54	54.5	4 0.00	0.00	0.00	
BUU.UU	6.00	89.44	797.19	5,057.81	0.55	57.08	57.0	8 0.00	0.00	0.00	
810.87	6.00	89.44	808.00	5,047.00	0.57	58.22	58.2	2 0.00	0.00	0.00	
DAKOT	ΓA			,							
868.18	6.00	89.44	865.00	4,990.00	0.62	64.21	64.2	1 0.00	0.00	0.00	
900.00	6.00	89.44	896.64	4,958.36	0.66	67.53	67.5	3 0.00	0.00	0.00	
1,000.00	6.00	89.44	996.10	4,858.90	0.76	77.98	77.9	9 0.00	0.00	0.00	
1.058.22	6.00	89.44	1.054.00	4.801.00	0.82	84.07	84.0	7 0.00	0.00	0.00	
1,100.00	6.00	89.44	1,095.55	4,759.45	0.86	88.44	88.4	4 0.00	0.00	0.00	
1,200.00	6.00	89.44	1,195.00	4,660.00	0.96	98.89	98.8	9 0.00	0.00	0.00	
1,300.00	0.00	09.44	1,294.45	4,300.33	1.00	109.34	109.3	0.00	0.00	0.00	
END OI		T 00.44	1 204 66	4 470 24	1 16	110 07	110 0	0.00	0.00	0.00	
1.400.00	5.91	89.44 89.44	1.393.91	4,461.09	1.16	119.79	119.7	'9 1.00	-1.00	0.00	
1,500.00	4.91	89.44	1,493.46	4,361.54	1.26	129.21	129.2	1.00	-1.00	0.00	
9 5/8" 5	SURFACE (CASING	4 500 00	4 955 99	4.00	400 77	400	- 400	4.00	0.00	
1,506.56 1,600,00	4.84 3.91	89.44 89.44	1,500.00 1,593.16	4,355.00 4 261 84	1.26 1.33	129.77 136.89	129.7 136.9	7 1.00	- 1.00 -1.00	0.00	
1,000.00	2.01	80.44	1,000.10	4 162 02	1.00	142.83	142.9	1.00 1.00	1.00	0.00	
1,800.00	1.91	89.44	1,792.89	4,062.11	1.43	147.03	142.0	1.00	-1.00	0.00	
1,900.00	0.91	89.44	1,892.86	3,962.14	1.45	149.49	149.5	50 1.00	-1.00	0.00	
EOD TO		L	4 000 50	2 074 44	4.46	450.04	450 1	4 00	4.00	0.00	
2.000.00	0.00	0.00	1,993.50	3,862,14	1.40 1.46	150.21	150.2	21 0.00	0.00	0.00	
2 100 00	0.00	0.00	2 092 86	3 762 14	1.46	150 21	150 2	21 0.00	0.00	0.00	
TODILI	TO	0.00	2,002.00	0,102.14	1.40	100.21	100.2	0.00	0.00	0.00	
2,121.14 ENTRA	0.00	0.00	2,114.00	3,741.00	1.46	150.21	150.2	21 0.00	0.00	0.00	
2,144.14	0.00	0.00	2,137.00	3,718.00	1.46	150.21	150.2	21 0.00	0.00	0.00	
2,200.00	0.00	0.00	2,192.86	3,662.14	1.46	150.21	150.2	.0.00	0.00	0.00	
CARME	EL	0.00	2 100 00	2 656 00	1 46	150.94	150 4	0.00	0.00	0.00	
2,200.14	0.00	0.00	2,133.00	3,030.00	1.40	150.21	150.4	., 0.00	0.00	0.00	
2,300.00 2 400 00	0.00	0.00	2,292.86 2 392 86	3,562.14 3 462 14	1.46	150.21 150.21	150.2	21 U.UU 21 0.00	0.00	0.00	
2,500.00	0.00	0.00	2,492.86	3,362.14	1.46	150.21	150.2	21 0.00	0.00	0.00	
2,600.00	0.00	0.00	2,592.86	3,262.14	1.46	150.21	150.2	0.00	0.00	0.00	
2,700.00	0.00	0.00	2,692.86	3,162.14	1.46	150.21	150.2	0.00	0.00	0.00	
CHINI F	F										

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COMPASS 5000.15 Build 90

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Database: Company: Project:	Datat TACI SAN 83)	oase 1 TUS, LLC JUAN COUN	ITY, NEW MEX	(ICO (NAD	Local Co-ordinate Reference: TVD Reference: MD Reference:			Well NAVAJO TRIBAL P#6 KB (14ft) @ 5855.00usft (AZTEC 980) KB (14ft) @ 5855.00usft (AZTEC 980)		
Site: Well:	SEC.	7 T26N R18 JO TRIBAL I	W P #6		North Reference Survey Cal	rence: culation Meth	r od: N	⁻rue ∕linimum Curvatur	e	
Wellbore: Design:	PRO	TRACK POSAL #3 - S	SIDETRACK							
Planned Survey	v									
							Martiaa	L Devley	Duild	Turn
MD (usft)	lnc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Sectior (usft)	n Rate (°/100usft)	Rate (°/100usft)	Rate (°/100usft)
2,769.14 2,800.00	0.00 0.00	0.00 0.00	2,762.00 2 792 86	3,093.00 3,062,14	1.46 1.46	150.21 150.21	150.21 150.21	0.00 0.00	0.00 0.00	0.00 0.00
2,900.00	0.00	0.00	2,892.86	2,962.14	1.46	150.21	150.21	0.00	0.00	0.00
3,000.00	0.00	0.00	2,992.86	2,862.14	1.46	150.21	150.21	0.00	0.00	0.00
3,100.00	0.00	0.00	3,092.00	2,702.14	1.40	150.21	150.21	0.00	0.00	0.00
3,200.00	0.00	0.00	3,192.86	2,002.14	1.46	150.21	150.21	0.00	0.00	0.00
3,400.00	0.00	0.00	3,392.86	2,462.14	1.46	150.21	150.21	0.00	0.00	0.00
3,500.00	0.00	0.00	3,492.86	2,362.14	1.46	150.21	150.21	0.00	0.00	0.00
3,532.14	0.00	0.00	3,525.00	2,330.00	1.46	150.21	150.21	0.00	0.00	0.00
MOENI	KOPI									
3,575.14	0.00	0.00	3,568.00	2,287.00	1.46	150.21	150.21	0.00	0.00	0.00
3,600.00	0.00	0.00	3,592.86	2,262.14	1.46	150.21	150.21	0.00	0.00	0.00
3,800.00	0.00	0.00	3,792.86	2,062.14	1.40	150.21	150.21	0.00	0.00	0.00
DE CHI	ELLEY		·							
3,826.14	0.00	0.00	3,819.00	2,036.00	1.46	150.21	150.21	0.00	0.00	0.00
3,900.00	0.00	0.00	3,892.86	1,962.14	1.46	150.21	150.21	0.00	0.00	0.00
4,000.00	0.00	0.00	3,992.86	1,862.14	1.46	150.21	150.21	0.00	0.00	0.00
4,200.00	0.00	0.00	4,192.86	1,662.14	1.46	150.21	150.21	0.00	0.00	0.00
4,300.00	0.00	0.00	4,292.86	1,562.14	1.46	150.21	150.21	0.00	0.00	0.00
ORGAN	N ROCK/CL	JTLER TOP	4 070 00	4 400 00	4.40	450.04	450.04		0.00	0.00
4,379.14 4 400 00	0.00	0.00	4,372.00 4,392.86	1,483.00 1 462 14	1.46 1.46	150.21 150.21	150.21 150.21	0.00	0.00	0.00
4,500.00	0.00	0.00	4,492.86	1,362.14	1.46	150.21	150.21	0.00	0.00	0.00
4,600.00	0.00	0.00	4,592.86	1,262.14	1.46	150.21	150.21	0.00	0.00	0.00
4,700.00	0.00	0.00	4,092.80	1,102.14	1.40	150.21	150.21	0.00	0.00	0.00
MIDDL		0.00	4 713 00	1 142 00	1 46	150 21	150 21	0.00	0.00	0.00
4,800.00	0.00	0.00	4,792.86	1,062.14	1.46	150.21	150.21	0.00	0.00	0.00
4,900.00	0.00	0.00	4,892.86	962.14	1.46	150.21	150.21	0.00	0.00	0.00
5,000.00	R MESA	0.00	4,992.86	802.14	1.40	150.21	150.21	0.00	0.00	0.00
5,027.14	0.00	0.00	5,020.00	835.00	1.46	150.21	150.21	0.00	0.00	0.00
5,100.00	0.00	0.00	5,092.86	762.14	1.46	150.21	150.21	0.00	0.00	0.00
5,200.00	0.00	0.00	5,192.86	662.14	1.46	150.21	150.21	0.00	0.00	0.00
5,300.00	0.00	0.00	5,292.86	562.14 462 14	1.46	150.21	150.21	0.00	0.00	0.00
LOWER	RCUTLER	5.00	-,					0.00	0.00	0.00
5,406.14	0.00	0.00	5,399.00	456.00	1.46	150.21	150.21	0.00	0.00	0.00
5,500.00	0.00	0.00	5,492.86	362.14	1.46	150.21	150.21	0.00	0.00	0.00
HONA		HERMOSA	TOP 5 520 00	326.00	1 46	150 21	150.04	0.00	0.00	0.00
5,600.00	0.00	0.00	5,592.86	262.14	1.46	150.21	150.21	0.00	0.00	0.00
ISMAY	(HERMOS/	A)								
5,695.14	0.00	0.00	5,688.00	167.00	1.46	150.21	150.21	0.00	0.00	0.00
5,700.00	0.00	0.00	5,092.00	102.14	1.40	150.21	150.21	0.00	0.00	0.00
5,800.00	T CREEK (HERMOSA)	5,792.80	02.14	1.40	150.21	150.21	0.00	0.00	0.00
5,808.14	0.00	0.00	5,801.00	54.00	1.46	150.21	150.21	0.00	0.00	0.00

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COMPASS 5000.15 Build 90

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Planning Report



Database: Company: Project: Site: Well: Wellbore: Design:	Data TACI SAN 83) SEC NAV/ SIDE PRO	Database 1 TACITUS, LLC SAN JUAN COUNTY, NEW MEXICO (NAD 83) SEC. 7 T26N R18W NAVAJO TRIBAL P #6 SIDETRACK PROPOSAL #3 - SIDETRACK			Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method:		Well NAVAJO TRIBAL P#6 KB (14ft) @ 5855.00usft (AZTEC 980) KB (14ft) @ 5855.00usft (AZTEC 980) True Minimum Curvature			
Planned Surve	∍y									
							Verti	cal Dogleg	Build	Turn
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Secti (usf	on Rate t) (°/100usft	Rate) (°/100usft)	Rate (°/100usft)
5,900.00	0.00	0.00	5,892.86	-37.86	1.46	150.21	150.2	21 0.00	0.00	0.00
6,000.00	0.00	0.00	5,992.86	-137.86	1.46	150.21	150.2	21 0.00	0.00	0.00
AKAH	(HERMOS	A) 0.00	6 007 00	152.00	1 46	150.21	150	21 0.00	0.00	0.00
0,014.14	0.00	0.00	0,007.00	-152.00	1.40	150.21	150.	21 0.00	0.00	0.00
6,100.00	0.00	0.00	6,092.86	-237.86	1.46	150.21	150.2	21 0.00	0.00	0.00
6 182 14		(HERMUSA) 6 175 00	-320.00	1 46	150 21	150	21 0.00	0.00	0.00
6 200 00	0.00	0.00	6 192 86	-337.86	1.40	150.21	150.2	21 0.00	0.00	0.00
6,300.00	0.00	0.00	6,292.86	-437.86	1.46	150.21	150.2	21 0.00	0.00	0.00
PSLVI	D (HERMOS	A)								
6,369.14	0.00	0.00	6,362.00	-507.00	1.46	150.21	150.	21 0.00	0.00	0.00
6,400.00	0.00	0.00	6,392.86	-537.86	1.46	150.21	150.2	21 0.00	0.00	0.00
PINKE	RTON									
6,441.14	0.00	0.00	6,434.00	-579.00	1.46	150.21	150.	21 0.00	0.00	0.00
6,500.00	0.00	0.00	6,492.86	-637.86	1.46	150.21	150.2	21 0.00	0.00	0.00
MOLA	0.00	0.00	6 544 00	690.00	1 46	150.21	150	21 0.00	0.00	0.00
0,001.14 MSSP	MIX	0.00	0,544.00	-009.00	1.40	130.21	130.1	21 0.00	0.00	0.00
6.586.14	0.00	0.00	6.579.00	-724.00	1.46	150.21	150.	21 0.00	0.00	0.00
6 600 00	0.00	0.00	6 502 86	-737.86	1.46	150 21	150 1	21 0.00	0.00	0.00
ORIGI			0,332.00	-737.00	1.40	150.21	150.2	21 0.00	0.00	0.00
6,631.14	0.00	0.00	6,624.00	-769.00	1.46	150.21	150.2	21 0.00	0.00	0.00
UNAL	TERED LEA	DVILLE								
6,659.14	0.00	0.00	6,652.00	-797.00	1.46	150.21	150.	21 0.00	0.00	0.00
6,700.00	0.00	0.00	6,692.86	-837.86	1.46	150.21	150.2	21 0.00	0.00	0.00
OURA	NY 0.00	0.00	0 700 00	074.00	4.40	450.04	450		0.00	0.00
0,733.14	0.00	0.00	0,720.00	-871.00	1.40	150.21	150.	21 0.00	0.00	0.00
ELBE	RT									
6,754.14	0.00	0.00	6,747.00	-892.00	1.46	150.21	150.2	21 0.00	0.00	0.00
6,800.00	0.00	0.00	6 892 86	-937.00	1.40	150.21	150.2	21 0.00	0.00	0.00
MCCR		P	0,002.00	1,001.00	1.10	100.21	100.	21 0.00	0.00	0.00
6,905.14	0.00	0.00	6,898.00	-1,043.00	1.46	150.21	150.	21 0.00	0.00	0.00
ANET	H									
6,981.14	0.00	0.00	6,974.00	-1,119.00	1.46	150.21	150.	21 0.00	0.00	0.00
7,000.00	0.00	0.00	6,992.86	-1,137.86	1.46	150.21	150.2	21 0.00	0.00	0.00
PREC	AMBRIAN									
7,047.14	0.00	0.00	7,040.00	-1,185.00	1.46	150.21	150.	21 0.00	0.00	0.00
7,100.00	0.00	0.00	7,092.86	-1,237.86	1.46	150.21	150.2	21 0.00	0.00	0.00
7 107 14		ο ο ο ο ο	7 100 00	1 225 00	1 46	150.24	150	21 0.00	0.00	0.00
1,191.14	0.00	0.00	7,190.00	-1,335.00	1.40	150.21	150.	21 0.00	0.00	0.00





Database: Company: Project:	Database 1 TACITUS, LLC SAN JUAN COUNTY, NEW MEXICO (NAD 83)	Local Co-ordinate Reference: TVD Reference: MD Reference:	Well NAVAJO TRIBAL P#6 KB (14ft) @ 5855.00usft (AZTEC 980) KB (14ft) @ 5855.00usft (AZTEC 980)
Site:	SEC. 7 T26N R18W	North Reference:	True
Well:	NAVAJO TRIBAL P #6	Survey Calculation Method:	Minimum Curvature
Wellbore:	SIDETRACK		
Design:	PROPOSAL #3 - SIDETRACK		

Formations

MD	TVD			Dip	Dip Direction
(usft)	(usft)	Name	Lithology	(°)	(°)
775.68	773.00	GREENHORN		0.00	
810.87	808.00	GRANEROS		0.00	
868.18	865.00	DAKOTA		0.00	
1,058.22	1,054.00	SUMMERVILLE		0.00	
2,121.14	2,114.00	TODILITO		0.00	
2,144.14	2,137.00	ENTRADA		0.00	
2,206.14	2,199.00	CARMEL		0.00	
2,769.14	2,762.00	CHINLE		0.00	
3,532.14	3,525.00	SHINARUMP		0.00	
3,575.14	3,568.00	MOENKOPI		0.00	
3,826.14	3,819.00	DE CHELLEY		0.00	
4,379.14	4,372.00	ORGAN ROCK/CUTLER TOP		0.00	
4,720.14	4,713.00	MIDDLE CUTLER		0.00	
5,027.14	5,020.00	CEDAR MESA		0.00	
5,406.14	5,399.00	LOWER CUTLER		0.00	
5,536.14	5,529.00	HONAKER TRAIL/HERMOSA TOP		0.00	
5,695.14	5,688.00	ISMAY (HERMOSA)		0.00	
5,808.14	5,801.00	DESERT CREEK (HERMOSA)		0.00	
6,014.14	6,007.00	AKAH (HERMOSA)		0.00	
6,182.14	6,175.00	BARKER CREEK (HERMOSA)		0.00	
6,369.14	6,362.00	PSLVD (HERMOSA)		0.00	
6,441.14	6,434.00	PINKERTON		0.00	
6,551.14	6,544.00	MOLAS		0.00	
6,586.14	6,579.00	MSSP MIX		0.00	
6,631.14	6,624.00	ORIGINAL LEADVILLE		0.00	
6,659.14	6,652.00	UNALTERED LEADVILLE		0.00	
6,733.14	6,726.00	OURAY		0.00	
6,754.14	6,747.00	ELBERT		0.00	
6,905.14	6,898.00	MCCRACKEN TOP		0.00	
6,981.14	6,974.00	ANETH		0.00	
7,047.14	7,040.00	PRECAMBRIAN		0.00	

Plan Annotations

	Local Coordinates				
 (L	MD usft)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Comment
15	54.00	154.00	0.00	0.00	SIDETRACK POINT (3°/100ft)
35	54.00	353.63	0.10	10.46	EOB TO 6° INC
1,3	390.70	1,384.66	1.16	118.82	END OF TANGENT
1,5	506.56	1,500.00	1.26	129.77	9 5/8" SURFACE CASING
1,9	90.70	1,983.56	1.46	150.21	EOD TO VERTICAL
7,1	97.14	7,190.00	1.46	150.21	PROPOSED BHL: 687ft FSL & 1917ft FEL of Sec 7

2022-09-06 9:38:15AM

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT FARMINGTON DISTRICT OFFICE

6251 COLLEGE BLVD. FARMINGTON, NEW MEXICO 87402

AFMSS 2 Sundry ID 2685797

Attachment to Notice of Intent

Well: Navajo P 6

CONDITIONS OF APPROVAL

TABLE OF CONTENTS

PLUG BACK, page 1 (cover) General Requirements for Permanent Abandonment..., enclosed DRILLING, page 2 to 4

PLUG BACK

- 1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
- 2. Farmington Office is to be notified at least 24 hours before the plugging operations commence at (505) 564-7750.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

DRILLING

I GENERAL

- A. Full compliance with all applicable laws, regulations, and Onshore Orders, with the approved Permit to drill, and with the approved Surface Use and Operations Plan is required. Lessees and/or operators are fully accountable for the actions of their contractors and subcontractors. Failure to comply with these requirements and the filing of required reports will result in strict enforcement pursuant to 43 CFR 3163.1 or 3163.2.
- B. Each well shall have a well sign in legible condition from spud date to final abandonment. The sign should show the operator's name, lease serial number, or unit name, well number, location of the well, and whether lease is Tribal or Allotted, (See 43 CFR 3162.6(b)).
- C. A complete copy of the approval, along with any conditions of approval, shall be available to authorized personnel at the drill site whenever active drilling operations are under way.
- E. As soon as practical, notice is required of all blowouts, fires and accidents involving lifethreatening injuries or loss of life. (See NTL-3A).
- F. Prior approval by the BLM-Authorized Office (Drilling and Production Section) is required for variance from the approved drilling program and before commencing plugging operations, plug back work casing repair work, corrective cementing operations, or suspending drilling operations indefinitely. Emergency approval may be obtained orally, but such approval is contingent upon filing of a notice of intent (on a Sundry Notice, Form 3160-5) within three business days (original and three copies of Federal leases and an original and four copies on Indian leases). Any changes to the approved plan or any questions regarding drilling operations should be directed to BLM during regular business hours at 505-564-7600. Emergency program changes after hours should be directed to at Virgil Lucero at 505-793-1836.
- G. The Inspection and Enforcement Section (I&E), phone number (505-564-7750) is to be notified at least 24 hours in advance of BOP test, spudding, cementing, or plugging operations so that a BLM representative may witness the operations.
- I. From the time drilling operations are initiated and until drilling operations are completed, a member of the drilling crew or the tool pusher shall maintain rig surveillance at all time, unless the well is secured with blowout preventers or cement plugs.
- J. If for any reason, drilling operations are suspended for more than 90 days, a written notice must be provided to this office outlining your plans for this well.

II. REPORTING REQUIREMENTS

A. For reporting purposes, all well Sundry notices, well completion and other well actions shall be referenced by the appropriate lease, communitization agreement and/or unit agreement numbers.

- B. The following reports shall be filed with the BLM-Authorized Officer within 30 days after the work is completed.
 - 1. Original and three copies on Federal and an Original and five copies on Indian leases of Sundry Notice (Form 3150-5), giving complete information concerning.
 - a. Setting of each string of casing. Show size and depth of hole, grade and weight of casing, depth set, depth of all cementing tools that are used, amount (in cubic feet) and types of cement used, whether cement circulated to surface and all cement tops in the casing annulus, casing test method and results, and the date work was done. Show spud date on first report submitted.
 - b. Intervals tested, perforated (include size, number and location of perforations), acidized, or fractured; and results obtained. Provide date work was done on well completion report and completion sundry notice.
 - c. Subsequent Report of Abandonment, show the way the well was plugged, including depths where casing was cut and pulled, intervals (by depths) where cement plugs were replaced, and dates of the operations.
 - 2. Well Completion Report (Form 3160-4) will be submitted with 30 days after well has been completed.
 - a. Initial Bottom Hole Pressure (BHP) for the producing formations. Show the BHP on the completion report. The pressure may be: 1) measured with a bottom hole bomb, or 2) calculated based on shut in surface pressures (minimum seven-day buildup) and fluid level shot.
 - 3. Submit a cement evaluation log if cement is not circulated to surface.

III. DRILLER'S LOG

The following shall be entered in the daily driller's log: 1) Blowout preventer pressures tests, including test pressures and results. 2) Blowout preventer tests for proper functioning, 3) Blowout prevention drills conducted, 4) Casing run, including size, grade, weight, and depth set, 5) How pipe was cemented, including amount of cement, type, whether cement circulated to surface, location of cementing tools, etc., 6) Waiting on cement time for each casing string, 7) Casing pressure tests after cementing, including test pressure and results and 8) Estimated amounts of oil and gas recovered and/or produced during drill stem test.

IV. GAS FLARING

Gas produced from this well may not be vented or flared beyond an initial, authorized test period of * Days or 50 MMCF following its (completion)(recompletion), whichever first occurs, without the prior, written approval of the authorized officer. Should gas be vented or flared without approval beyond the test period authorized above, you may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted. You shall be required to compensate the lessor for the portion of the gas vented or flared without approval which is determined to have been avoidably lost.

*30 days unless a longer test period is specifically approved by the authorized officer. The 30-day period will commence upon the first gas to surface.

V. SAFETY

- A. All rig heating stoves are to be of the explosion-proof type.
- B. Rig safety lines are to be installed.
- C. Hard hats and other Personal Protective Equipment (PPE) must be utilized.

VI. CHANGE OF PLANS OR ABANDONMENT

- A. Any changes of plans required in order to mitigate unanticipated conditions encountered during drilling operations, will require approval as set forth in Section 1.F.
- B. If the well is dry, it is to be plugged in accordance with 43 CFR 3162.3-4, approval of the proposed plugging program is required as set forth in Section 1.F. The report should show the total depth reached, the reason for plugging, and the proposed intervals, by depths, where cement plugs are to be placed, type of plugging mud, etc. A Subsequent Report of Abandonment is required as set forth in Section II.B.1c.

C. Unless a well has been properly cased and cemented, or properly plugged, the drilling rig must not be moved from the drill site without prior approval from the BLM-Authorized Officer.

VII. PHONE NUMBERS

A. For BOPE tests, cementing, and plugging operations the phone number is 505-564-7750 and must be called 24 hours in advance in order that a BLM representative may witness the operations.

B. Emergency program changes after hours contact: Virgil Lucero (505) 793-1836 BLM 24 Hour Number (505) 564-7750

K Rennick 8/19/2022

BLM FLUID MINERALS P&A Geologic Report

Date Completed: 08/19/2022

Well No. Navajo Tribal P #6 (API# 3	Location	660	FSL	&	1980	FEL	
Lease No. 14206035033		Sec. 07	T26	δN		R18	SW
Operator Tacitus, LLC		County	San J	uan	State	New M	lexico
Total Depth 6705'	PBTD 6705'	Formation	tion Leadville/Barker Creek				
Elevation (GL)	Elevation (KI	3) 5841'					

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
Gallup Ss			Surface	771	Surface/Probable fresh or useable water sands
Greenhorn Ls			771	806	
Graneros Shale			806	863	
Dakota Ss			863	1052	Probable fresh or useable water sands
Morrison Fm			1052	2112	Probable fresh or useable water sands
Todilto Ls			2112	2135	
Entrada Ss			2135		Probable fresh or useable water sands
Navajo Ss					Probable fresh or useable water sands
Wingate Ss				2760	Probable fresh or useable water sands
Chinle Fm			2760	3800	
DeChelly Ss			3800	4370	Probable fresh or useable water sands
Cutler			4370	5527	Probable useable or slightly brackish water sands
Hermosa Group			5527	5686	Probable saline water/Potential O&G
Ismay Fm			5686	5799	Probable saline water/Potential O&G
Desert Creek Fm			5799	6005	Probable saline water/Potential O&G
Akah Fm			6005	6360	Probable saline water/Potential O&G
Pennsylvanian D/Barker Creek			6360	6439	Probable saline water/Potential O&G
Pinkerton Trail			6439	6542	O&G/Water/N ₂ /Helium/CO ₂
Molas Fm			6542	6622	Probable saline water/Potential O&G
Leadville Ls			6622	PBTD	Saline water/Probable O&G w/potential nitrogen, helium & CO ₂
Devonian					Potential nitrogen, helium & CO ₂
Precambrian					Potential helium

Remarks:

P & A

- P&A is for a plug-back and sidetrack out of this wellbore to test Devonian and Precambrian strata for helium potential. Proposed depth for the sidetrack is adequate to test the target formations.

<u>Reference Well:</u> 1) Formation Tops Same

- The plugs proposed in the P&A procedure will adequately protect any freshwater sands in this well bore.
- Pennsylvanian Barker Creek perfs 6365' 6376' squeezed in 2019.
- Leadville perfs 6644' 6674'.

GENERAL REQUIREMENTS FOR PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES FARMINGTON FIELD OFFICE

1.0 The approved plugging plans may contain variances from the following <u>minimum general</u> requirements.

- 1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.
- 1.2 Requirements may be added to address specific well conditions.
- 2.0 Materials used must be accurately measured. (densometer/scales)

3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.

3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.

4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.

- 4.1 The cement shall be as specified in the approved plugging plan.
- 4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.
- 4.3 Surface plugs may be no less than 50' in length.
- 4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.
- 4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.
- 4.6 A cement bond log or other accepted cement evaluation tool is required to be run if one had not been previously ran or cement did not circulate to surface during the original casing cementing job or subsequent cementing jobs.

Page 1

5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

- 5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.
- 5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.
- 5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.
- 5.4 If perforations are required below the surface casing shoe, a 30 minute minimum wait time will be required to determine if gas and/or water flows are present. If flow is present, the well will be shut-in for a minimum of one hour and the pressure recorded. Short or long term venting may be necessary to evacuate trapped gas. If only a water flow occurs with no associated gas, shut well in and record the pressures. Contact the Engineer as it may be necessary to change the cement weight and additives.

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

- 6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.
- 6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H_2S .

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), five copies, with the Field Manager, Bureau of Land Management, 6251 College Blvd., Suite A, Farmington, NM 87402. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show <u>date</u> well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate <u>seasonal closure</u> requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

Tacitus LLC Navajo Tribal P #6 Geologic Prognosis & Evaluation Program

Devonian Pool (Aneth Fm, McCracken, Elbert) Tocito Dome, Navajo Nation

Operator: Well Name & Number:	Tacitus LLC Navaio Tribal P #6	Tacitus I I C Contact:	September 13, 2022	303-868-2160
API:		Notes:	Slot Recovery of P6 well	000 000 2100
Objective:	Devonian Pool (Aneth Fm	, McCracken, Elbert)		
Surface Hole Location	686' FSL 2067' FEL	APD Approval:	8/19/202	Bottom Hole Location
Surface Section	7	APD Expiration:		Bottom Section
Surface Twn & Rng	T26N-R18W	Lease:		Bottom Twn & Rng
UL of Lot #	5000 7	Expiration Date:	Held By Production	BHL Notes:
Surface Ground Elevation:	5838.7	Surface Owner:		
Vertical KB Elevation (Datum):	5853	Pool:	WC 26N18W17 Devonian	
AZTEC 980	14	State:		Detters Hele Letitude (NAD 00)
Surface Latitude (NAD 83):	36.497277	County:	San Juan	Bottom Hole Latitude (NAD 83)
Surface Longitude (NAD 83):	108.798236	FIEID:	I OCITO DOME	Bottom Hole Longitude (NAD 83)
Proposed ID	/188	Existing well Pad:	Navajo Tribal P#6	
Evaluation Program	Depth	Company	Contact	Notes
Mudlogging	3500 To TD	EPOCH or Columbine		
Geochemical (Mass Spec)	3500 To TD	EPOCH or Columbine		
Directional Drilling	400 To TD	Scientific	Bobby Bradshaw	
DST	None			
Whole Core	None			
Sidewall Coring	Yes			
Sidewall Core Analysis	Yes	Halliburton		
Well Logging	3500 To TD	Halliburton		Quad Combo, FMI, NMR, <mark>Sonic</mark>
Straddle Packer & RDT	MCCK, ANTH & LDVL	Halliburton		Intervals selected from OH Logs
Horizontal Logging	None			
Flow & Pressure Tests	None			
Mud Program	Donth	Wt/ppg	Viccosity	Fluid Loss
EW gol/limo soud mud		8 /-8 7	20-50	as nooded
FW gel/lime spud mud	150 1500	0.4-0.7	30-50	as needed
FW gel/Polymer/LSND	1500-3500	83-80	30-50	as needed
FW gel/Polymer/LSND	3500-7183	8 3-8 Q+	40-55	
i w gen olymen zond	0000-1100	0.0-0.3+	+0-00	
Casing Program	Depth	Hole Size	Size	Wt (lb/ft)/Grade/Thread
Conductor	150'	17 1/4"	13 3/8"	48#/H40/ST&C
Surface	1500'	12 1/4"	9 5/8"	36#/J55/LT&C
Production	7188	8 3/4"	7"	29#/N80/LT&C
Tubing				
	6900'	2 7/8"		6.5#/N80
Formation Tops	Top MD (KB)	Top TVD (KB)	Top TVDSS (KB)	Thickness (FT)
Gallup (Mancos)	0	0	5853	771

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Greenhorn	771	771	5082	35
Graneros	806	806	5047	57
Dakota	863	863	4990	189
Morriso, Salt Wash, Buff,				
Summerville	1052	1052	4801	1060
Todilito	2112	2112	3741	23
Entrada	2135	2135	3718	62
Carmel	2197	2197	3656	563
Chinle	2760	2760	3093	763
Shinarump	3523	3523	2330	43
Moenkopi	3566	3566	2287	251
De Chelley	3817	3817	2036	553
Organ Rock/Culter Top	4370	4370	1483	341
Middle Cutler	4711	4711	1142	307
Cedar Mesa	5018	5018	835	379
Lower Cutler	5397	5397	456	130
Honaker Trail/Hermosa Top	5527	5527	326	159
Ismay (Hermosa)	5686	5686	167	113
Desert Creek (Hermosa)	5799	5799	54	206
Akah (Hermosa)	6005	6005	-152	168
Barker Creek (Hermosa)	6173	6173	-320	187
PSLVD (Hermosa)	6360	6360	-507	72
Pinkerton	6432	6432	-579	110
Molas	6542	6542	-689	35
MSSP Mix	6577	6577	-724	45
Original Leadville	6622	6622	-769	28
Unalterted Leadville	6650	6650	-797	74
Ouray	6724	6724	-871	21
Elbert	6745	6745	-892	151
McCracken Top	6896	6896	-1043	76
Aneth	6972	6972	-1119	66
Precambrian	7038	7038	-1185	150
Total Depth	7188	7188	-1335	

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687' FSL 1917' FEL 7 T26N-R18W 150' East of original P6 well

36.497281 108.797725

PH		
10		
10		
9.5		
9.5		
Collapse psi-Burst psi		
770-1730		
2020-3520		
7460-10640		
		Pressure
	Notes	Gradient

Sandstone Possible Aquifer to ~100' deep

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Limestone Shale	0.43 0.43
Sandstone, sometimes Coal	0.43
Mudstone, Sandstones	0.43
Limestone	0.43
Sandstone Shala Muddy Siltetona	0.43
Silistone	0.43
Condomeratic Sandstone	0.43
Siltstone, Sandstone, Limestone	0.43
Muddlogging Start Appx 3500 MD. Sandstone	0.43
Helium Interval. Beautfil Mtn Production WFMP. Siltstone, Shale, Sandstone	0.43
Siltstone	0.43
Sandstone	0.43
Siltstone	0.43
Limestone, Sandstone, Shale	0.43
Helium Interval. Limestone, Sometimes Sandstone, Annyante Helium Interval. Limestone, Carbonaccous Shale, Dessible Anhyarite, Limey Silte	0.43
Helium Interval, Limestone, Carbonaceous Shale, Possible Annyunite, Limey Sills Helium Interval, Limestone, Carbonaceous Shale, Possible Annyunite, Limey Sills	0.43
Helium Interval Limestone, Carbonaceous Shale, Possible Anhydrite, Limey Silts	0.43
Drilling Hazard, Helium Interval. Offsetting historic Navajo Tribal P #6 PSLVD Production, possible	0.40
underpressuring, lost cirrculation. Porous Limestone interbedded with Claystone, and Siltstone	<0.43
Limestone, Dolomite, Abrasive. Top Sometimes Clayey, Potential Drilling Hazard. Drilling Hazard. Shale, Mudstone, Siltstone, Chert, Limestone Conglomerate, Sometimes Karst	0.43
deposits. Drilling Hazard, cavings, sloughing, Sometimes fractured, high pressure, gas. Helium interval. Conglomerate of varying sizes including gravels, sometimes Karst deposits, potential	0.43
drilling hazard. Unconformity Top	0.43
Helium interval. Weathered Orginal Leadville Top with Karsted LS blocks and infill Molas deposits	
potential drilling hazard. Unconformity Top	0.43
Helium interval. Top Regional Unconformity, Potential Drilling Hazard. Limestone, Often Lower	
Dolomite. Fractured, Gas. Porosity Vugs of Porosity. Sometimes High Pressue, Maybe Water.	× 0.42
ADrasive.	>0.43
Dolomite, sometimes limestone. Fractured, Gas. Sometimes High Pressue, Maybe Water. Abrasive. Shale, dolomite and limestone, some sandy intervals, gas, fractured, sometimes high pressure	>0.44
& water	>0.44
Helium sandstone, porous intervals, limey, fractured, gas, water, sometimes high pressure.	>0.44
Helium limestone, dolomite & shale Interbedded	>0.44
Helium cambrian shale, quartzite or granite	>0.44
TD Picked for Complete Devonian Log Coverage	>0.44

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Plug Back Procedure

Tacitus – Navajo Tribal P 6

Tocito Dome Penn "D" 660' FSL & 1980' FEL, Section 7, T26N, R18W San Juan Co, New Mexico, API #30-045-21745

Plug & Abandonment Procedure:

Note: All cement volumes use 100% excess outside casing and 50' excess inside pipe. Stabilizing wellbore fluid will be 8.33 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Class G neat 1.15 ft³/sk or equivalent. If casing pressure tests tagging plugs will not be required. Cement circulated on surface and production casing strings. Volumes calculated off 5-1/2" 15.5# casing.

Prior to Mobilization

- 1. Notify BIA, BLM, & NMOCD
- 2. Verify all cement volumes based on actual slurry to be pumped. Calculations based on Neat G cement yield of 1.15 ft³/sk.
- 3. Comply with all COA's from BLM and NMOCD

P&A Procedure

- 1. MIRU Service Unit and required cement equipment.
- 2. LD horse head. LD stuffing box and polished rods/pump (hot oil if necessary).
- 3. ND WH, NU BOP, RU rig floor and 2 3/8" handling tools.
- 4. POOH 2 3/8" production string set at ~6417.95KB'
 - a. 5-1/2" Hornet Packer set at 6405.86KB' 16K compression
- 5. TIH with 5-½" casing scraper to 6350'. TOOH LD 5-½" scraper.
- 6. TIH with CICR and set @ 6315'. Roll hole with fresh water. PT tubing to 500 psi. PT casing to 500 psi.
- 7. Plug #1, 6705'-6123' (Leadville/Barker Creek Top: 6173', Perfs 6644'-6674') Sting into CICR establish injection rate below CICR. Mix & pump 44 sxs (50.6 ft³) of Class G neat cement below CICR. Sting out of retainer Mix and pump 29 sxs on top of CICR in balanced plug. PU 200' above plug reverse circulate to clean tubing. POOH w/ stinger.
- 8. MIRU WL and run CBL from plug #1 top to surface.
- 9. Plug #2, 5849'-5636' (Desert Creek top at 5799' Hermosa top at 5686'): Mix & spot 25 sx (28.75 ft³) Class G neat cement in balanced plug. PU 200' above plug and reverse circulate tubing clean. WOC and tag plug if casing does not test. Re-spot cement if necessary.

- Plug #3, 2810'-2710' (Chinle Top at 2760'): Mix & spot 18 sx (20.7ft³) Class G neat cement in balanced plug. PU 100' above plug and reverse circulate tubing clean. WOC and tag plug if casing does not test. Re-spot cement if necessary.
- 11. Plug #4, 2085'-2185' (Entrada Top: 2135'): Mix & spot 18 sx (20.7 ft³) Class G neat cement in balanced plug. PU 100' above plug and reverse circulate tubing clean. WOC and tag plug if casing does not test. Re-spot cement if necessary.
- 12. Plug #5, 1552'-1452' (Surface shoe: 1502'): Mix and spot 18 sx (20.7 ft³) Class G neat cement in balanced plug. PUH 100' above plug and reverse circulate tubing clean. WOC and tag plug if casing does not test. Re-spot cement if necessary.
- 13. RDMO. Turn well over Slot recovery operations.

Kyle T. Mason Operations Engineer

Woll/Escility:	Navaio Tribal B 6	Woll Status	Unknown	Data Drawny July 2022 (KTM)
Operator:	Tacitus	Orig Oper:	Amoco	Date Drawn. Suly 2022 (KTM)
Lease/Op Agmt:		KB:	13'	
Field:	Tocito Dome Penn. "D"	API #:	30-045-21745	
County:	San Juan	GR/KB:	5830' GL	
State:	NM	TD:	6705'	
Spud:	4/19/1975	PBTD:	6705'	
Comp. Date:	6/7/1975			
1st Prod: Wellhead Conn:	10/18/2001			
Surface Loc:	660' FSI & 1980 FFI			• /
Sec-Twn-Rge:	Sec 7/T26N/18W			
Pumper:				
Foreman:				
Anchors Tested	N/A			
Notes:				
Date:	History:			
1/17/19	Squeezed perfs w/ 170 sx	s. Good casin	ig test	
1/1/13		_		
1/30/19	Drilled 4-3/4" OH from PB	TD @ 6433' to	6705'. Set 2-7/8" from	
	0430-0703			
	1			
				ŏŏ
) o b /
				o
				· · · · · · · · · · · · · · · · · · ·
Doviation		ologio Mor	kors	Original PBTD
Deviation MD	G		Formation	TD: 6433" KB
124	0.25	0	Gallup (Mancos)	12. 0400 KB
604	0.25	771	Greenhorn	Current PBTD
1,138	0.25	806	Graneros	PBTD: 6705'
2,046	0.50	863	Dakota	
2,825	0.25	1052	Morriso, Salt Wash,	
3,584	0.50	2112	Todilito	
3,714	0.25	2135	Entrada	
4,479 4 884	0.75	2/00	Shinarumn	
5.888	0.25	3566	Moenkopi	
5,922	0.25	3817	De Chelley	
6,208	0.25	4370	Organ Rock/Culter	
6,480	0.50	4711	Middle Cutler	
		5018	Cedar Mesa	
		5397	Lower Cutler	
		5527	Honaker Ismay (Hermosa)	
		5799	Desert Creek	
l	1	6005	Akah (Hermosa)	
		6173	Barker Creek	
		6360	PSLVD (Hermosa)	
		6432	Pinkerton	
		6542	Molas	
		6577		
		0622	Unginai Leadville	Pumping Unit:

	W					W	7
E	INGINE	ERING	s. PRO	DUCTIO	N CORP		
			C	asing Reco	ord		
				Conductor			
OD	WT/FT	GRADE	Тор	Bottom	Thead	Bit Size	
13-3/8"	48	J55	0	134	ST&C	17-1/4"	
				Surface			
OD	WT/FT	GRADE	Тор	Bottom	Thread	Bit Size	
8-5/8"	24	J55	0	1502	ST&C	11.0"	
		1	1	Intermediat	ie i	1	
OD	WT/FT	GRADE	Тор	Bottom	Thread	Bit Size	
5-1/2"	15.5	J55	0	6479	ST&C	7-7/8"	1
Stage tool ur	known						
				Comont			
Otain a /Ota a a		0	- + T	Cement		TO	-
string/Stage		Ceme	nt iype	and volum	e	100	vivlet/،
Conductor	Lead: 13 Tail: NA	5 sxs Type	e B w/ 2%	% CC		Surface	e- Circ

Conductor	Lead: 135 sxs Type B w/ 2% CC	Surface- Circ 5 bbls				
conductor	Tail: NA					
Surface	Lead: 450 sxs Class B w/ 4% gel	Cirulated unknown volume				
Surface	Tail: 150 sxs	Circlated difknown volume				
1st Stage	Lead: 500 sxs Class B 50/50	Cirulated unknown volume				
Production	Tail: 100 sxs Class B neat	Circulated unknown volume				
2nd Stage	Lead: 800 sxs Class B 50/50	Cirulated unknown volume				
Production	Tail: 100 sxs Class B neat	Circulated unknown volume				
	Perforations (Depth, SPF, EHD)					
6365-6376' 3 s	pf (squeezed)					

r onoradono (Dopan, er r, 200)
6365-6376' 3 spf (squeezed)
6644'-6656', 6666'-6674' 4 spf 0.29" EHD, 26" EPD.
Stimulation Detail
7500 gal 28% HCI

Packer set 6405'KB

3

Squeezed perfs w/ 170 sxs (1/17/2019) Pressure tested casing to 600# test good

Drilled 4-3/4" from PBTD @ 6433' to 6705' Set 2-7/8" 6450'-6705'

Production Tubing Detail								
	Length	WT			Тор	Bottom		

Rod Detail - UNK								
					Тор	Bottom		

Pumping Unit:	Gear Sheave:	
API Designation:	Stroke Length:	
Samson Post SN:	Gear Ratio:	
Gear Box SN:	SPM:	
Structural Unbalance:	Horse Power:	
Power:	Volts:	
Power SN:	Amps:	
Sheave Size:	Belts:	

•

Well/Facility:	Navaio Tribal P 6	Well Status:	Unknown	Date	e Drawn: July :	2022 (KTN	n						
Operator:	Tacitus	Orig Oper:	Amoco	1			3						007
Lease/Op Agmt:		KB:	13'	ļ		Į,	4			7 \			
Field:	Tocito Dome Penn. "D"	_ API #:	30-045-21745	1		5		_					
State:	NM	TD:	6705'					E	NGINEE	RING & PH	RODUCTIC	JN CORP.	
Spud:	4/19/1975	PBTD:	6705'										
Comp. Date:	6/7/1975	WI:		1	'								
1st Prod:	10/18/2001	NRI:											
Wellhead Conn:	660' ESI 8 1080 EEI												
Surrace Loc: Sec-Twn-Rge	Sec 7/T26N/18W						Plug #5 - Surface Shoe	· 1552'-14	52'				
Pumper:	0001/120101010				5		18 sxs (20.7 cf) Class G	Neat	02				
Foreman:													
Anchors Tested	N/A												
Notes:													
							Plug #4 - Entrada: 2085	<u>-2185'</u> Neat					
								<u>- Hour</u>					
Date:	History:				{								
1/17/19	Squeezed perfs w/ 170 s	s. Good casin	ig test				Diver #2 Objecter 2040	074.01					
	Drilled 4-3/4" OH from PE	3TD @ 6433' to	6705'. Set 2-7/8" from				18 sys (20 7 cf) Class 6	2/10 Neat					
1/30/19	6450'-6705'						10 383 (20.7 01) 01033 0	- Near					
	+												
					1		Plua #2 - Desert Creek/	Hermosa	5849'-56	36'			
							25 sxs (28.75 cf) Class	G Neat					
							Plug #1 - Leadville/Bark	ker Creek	6705'-6	23'			
							Below retainer: 44 sxs	(50.6 cf) (lass G N	eat			
							Above retainer: 29 sxs	(33.35 cf)	Class G	Neat			
					8	ŏ	Squeezed perts (6365'-	6376' W/ 1	70 sxs (1	/17/2019)			
					0	0	i ressure testeu casing	10 000# 1	est goou				
							Drilled 4-3/4" from PBT	D @ 6433	' to 6705				
					do	1	Set 2-7/8" 6450'-6705'						
						{							
						l							
					Y	¥							
Deviation	G	eologic Mar	kers										
MD	Inclination	MD	Formation		Original PB								
604	0.25	771	Greenhorn		TD: 6433	R							
1,138	0.25	806	Graneros		. J. 0400 K	_							I
2,046	0.50	863	Dakota		Current PB	ГD							
2,825	0.25	1052	Morriso, Salt Wash,		PBTD: 6705	•							
3,584	0.50	2112	Todilito										
3,/14 1 179	0.25	2135	Chiple										
4.884	0.75	3523	Shinarump										
5,888	0.25	3566	Moenkopi										
5,922	0.25	3817	De Chelley										
6,208	0.25	4370	Organ Rock/Culter										
6,480	0.50	4711	Middle Cutler	F				Ded D :	3 10.02				
	+	5397	Lower Cutter					Rod Deta	ur - UNK		r –	Top	Bottom
	1	5527	Honaker								1		
		5686	Ismay (Hermosa)										
		5799	Desert Creek										
		6005	Akah (Hermosa)										
		6173	Barker Creek										
		6432	Pinkerton								<u> </u>		
		6542	Molas	F									
		6577	MSSP Mix	-									
		6622	Original Leadville	F	Pumping Unit:					Gear Shea	ave:		
				4	API Designation:					Stroke Le	ngth:		
					oamson Post SN: Gear Box SN:					SPM.	J.		
				5	Structural Unbala	ince:				Horse Pov	ver:		
				E	Power:					Volts:			
				F	Power SN:					Amps:			
				S	Sheave Size:					Belts:			

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

Operator:	OGRID:
Tacitus, LLC	372957
4801 North Butler Ave	Action Number:
Farmington, NM 87401	140293
	Action Type:
	[C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

CONDITION	-	
Created By	Condition	Condition Date
kpickford	Notify OCD 24 hours prior to casing & cement	9/28/2022
kpickford	Will require a File As Drilled C-102 and a Directional Survey with the C-104	9/28/2022
kpickford	Adhere to BLM approved COAs and plugs. See BLM COAs and GEO report.	9/28/2022

CONDITIONS

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Action 140293