State of New Mexico Energy, Minerals and Natural Resources Department

Susana Martinez

Governor

Ken McQueen Cabinet Secretary

Heather Riley, Division Director Oil Conservation Division



Matthias Sayer Deputy Cabinet Secretary

New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-4 or 3160-5 form.

Operator Signature Date: 8/3/2018

Well information:

API WELL #	Well Name	Well#	Operator Name	Type	Stat	County	Surf_Owner	UL	Sec	Twp N/S	Rng W/E
30-045-21358-00-00	NAVAJO TRIBAL U	016	Tacitus, LLC	О	A	San Juan	N	C	16	26 N	18 W

Application Type:

P&A Drilling/Casing Change Location Change
Recomplete/DHC (For hydraulic fracturing operations review EPA
Underground injection control Guidance #84; Submit Gas Capture Plan form prior to
spudding or initiating recompletion operations)

Other: Record Clean up, Sundry received after work performed.

Conditions of Approval:

- Tacitus failed to receive OCD approval prior to performing the Horizontal drilling and plugback on the lateral portion of this well as required by 19.15.7.14 (SUNDRY NOTICES AND REPORTS ON WELLS) and 19.15.7.11 (UNITED STATES GOVERNMENT LEASES).
- The OCD is opting **NOT** to issue a NOTICE OF VIOLATION at this time for the failure to comply with OCD Rule 19.15.7.14 NMAC and 19.15.7.11.
 - Be advised that if Tacitus LLC fails to receive OCD approval prior to commencing operations in the future for work detailed in 19.15.7.14, Tacitus LLC may be subject to formal enforcement action.

NMOCD Approved by Signature

10/25/18 Date

Powell, Brandon, EMNRD

From: John Thompson <john@walsheng.net>
Sent: Thursday, October 4, 2018 2:04 PM

Sent: Thursday, October 4, 2018 2:04 PM **To:** Powell, Brandon, EMNRD

Subject: [EXT] RE: Navajo Tribal U #16 API 30-045-21358 **Attachments:** approved U#16 Horizontal Well Sundry.pdf

This is what I have. Let me know if you need anything else.

Thanks,

John C. Thompson Walsh Engineering & Production Corp

O 505.327.4892 C 505.320.1748 E john@walsheng.net

From: Powell, Brandon, EMNRD < Brandon.Powell@state.nm.us>

Sent: Thursday, October 4, 2018 10:23 AM
To: John Thompson <john@walsheng.net>
Subject: Navajo Tribal U #16 API 30-045-21358

As discussed can you send over the approvals for the original Horizontal drilled portion of the well which was plugged back on 9/10/18.

Thank You

Brandon Powell I & E Supervisor New Mexico Oil Conservation Office: (505) 334-6178 ext. 116

[&]quot;He who wishes to gain knowledge is wiser than he who thinks he has knowledge (unknown)"

Form 3160-5 (September 2001)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	FORM APPROVED OM B No. 1004-0135
G N 7 2013	Expires: January 31, 2004

AUG	n	7	20/2	Expires: January
SUR	U	f	29.3	5 Lease Serial No.

SUNDRY	NOTICES AND REP	ORTS ON WEL	LS	14-20-603-5	5034
Do not use thi	is form for proposals to II. Use Form 3160 - 3 (A	o drill or to re-e	nter an	6. If Indian, Al	lottee or Tribe Name
	PLICATE- Other instr	uctions on rever	se side.	7. If Unit or CA	/Agreement, Name and/or No.
1. Type of Well Oil Oil		3b. Phone No. (include 403-400-0459	area code)	9. API Well N 30-045-213	ibal "U" 16 ło.
 Location of Well (Footage, Sec., T Sec 16 T26N R18W; NENW 76 36.493580 N Lat, 108.765900 W 	0' FNL & 2040' FWL			Tocito Don	arish, State
12. CHECK AP	PROPRIATE BOX(ES) TO	INDICATE NATUR	E OF NOTICE, R	EPORT, OR O	THER DATA
TYPE OF SUBMISSION		TYP	E OF ACTION		AAAAA
Notice of Intent Subsequent Report Final Abandonment Notice	Acidize Alter Casing Casing Repair Change Plans Convert to Injection	Deepen Fracture Treat New Construction Plug and Abandon Plug Back	Production (Standard Reclamation Reclamation Recomplete Temporarily At Water Disposal	•	Water Shut-Off Well integrity Other Drill lateral out existing casing
Attach the Bond under which the following completion of the inventor	ctionally or recomplete horizontally be work will be performed or provi- olved operations. If the operation hal Abandonment Notices shall be	y, give subsurface location ide the Bond No on file w results in a multiple comp	is and measured and truith BLM/BIA. Require letion or recompletion is	ne vertical depths of ed subsequent repo in a new interval, a	f all pertinent markers and zones arts shall be filed within 30 days Form 3160-4 shall be filed once
Helium potential. The cur 1) Set Whipstock at ~ 5907 2) Drill 6-1/8" curve to top	nipstock out of the existing 7" rent plan (which may change " and mill window through ex of Mississippian formation augh Mississippian formation alace.	once CBL and pressur usting 7" casing, nd run 5-1/2", P110, 1 and run 3-1/2" pre-per	e test information is 7 ppf, Modified But	obtained) is to: tress Casing w/ S	S.C. couplings

4) Run 5-1/2" packer and 2-3/8" tubing and test well for helium production

Attachments:

C102

Draft Directional Plan

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

14. Thereby certify that the foregoing is true and correct Name (Printed/Typed)			
John C. Thompson	Title	Agent/Engineer for Tacitus,	LLC
Signature SQ C	Datc	08/03/20	018
THIS SPACE FOR FEDERAL	OR	STATE OFFICE USE	
Approved by		Title PE	Date 8/22/18
Conditions of appearant, if any, are attached. Approval of this notice does not warrant certify that the applicant holds legal or equitable title to those rights in the subject leaving 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 States any false, fictitious or fraudulent statements or representations as to any matter	person within	knowingly and willfully to make its jurisdiction.	to any department or agency of the United

(Instructions on page 2)



1625 N. French Dr., Hobbs, N.W. 88240 Phone: (576) 393-8161 Fax: (575) 393-0720 DISTRICT II 811 S. First St., Artesia, N.M. 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 87410 Phone: (505) 334-6178 Fax: (505) 334-5170 DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

12 Dedicated Acres

NTD-M 320.00 ACRES N/2

State of New Mexico Energy, Minerals & Natural Resources Department

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

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

15 Order No.

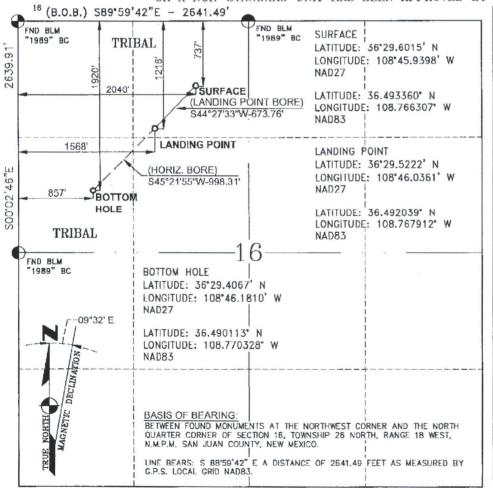
[] AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	Number 45-2135	Pool Code Pool Name NORTH TOCITO DOME—MISSISSIPPIAN									
*Property C	ode				⁶ Property	Name		g W	Well Number		
					NAVAJO TRIBA	L "U"		16			
OGRID No).	*Operator Name ** Elevation							Elevation		
37295	7				TACITUS,			5800'			
					10 Surface	Location					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
C	16	26-N	18-W		737	NORTH	2040	WEST	SAN JUAN		
			11 Bott	om Hole	Location 1	f Different Fre	om Surface				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
E	16	26-N	18-W		1920'	NORTH	857'	WEST	SAN JUAN		

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

14 Consolidation Code



18 Joint or Infill

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and betief, and that this organization either owns a working interest or unleased mineral interest in the a university interest or transacts instance interest to be land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or a unorking interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the

Signature johnewalshen E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.



Certificate Number

15703

Seidel Technologies www.seideltech.com



Tacitus Venture Corp.

San Juan Couty NW Sec 16 T26N R18W Navajo Tribal U #16 Hz Re-Entry UWI: API:

Plan: #1

Seidel Tech Planning Report

17 July, 2018





Project: San Juan Couty NW Site: Sec 16 T26N R18W Well: Navajo Tribal U #16

Wellbore: Hz Re-Entry

Plan: #1



Formation Tops



Azimuths to True North Magnetic North: 0.00°

Magnetic Field Strength: 0.0snT Dip Angle: 0.00° Date: 17/07/2018 Model: USER DEFINED

Well Centre Reference

Geodetic System: Flat Earth
Elipsoid: WGS 1984
Zone: No Convensions
Northing: 0.00
Easting: 0.00
Latitude: 46° 43° 27.490 N
Longitude: 108° 21′ 38.187 W
Grid Convergence: 0.00° West
Ground Fleetings 10° 90° 0.00°

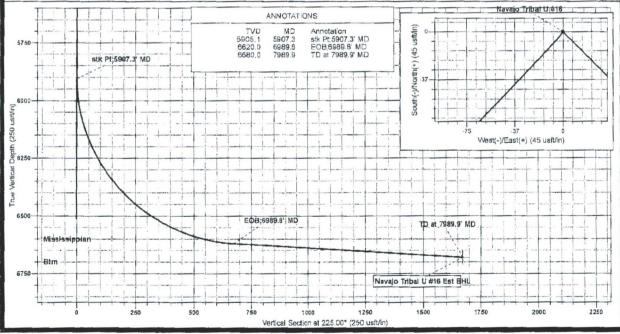
Ground Elevation: 5799.0 KB Elevation: RKB @ 5812.0usit (kb.13)

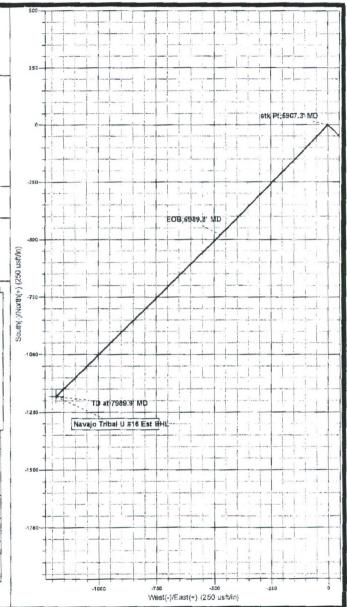
TVDPath

MDPath Formation 6600.0 6857.2 Mississippian

PLAN DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dieg	TFace	VSect	Target
1	5907.3	0.5	135.00	5905.1	0.0	0.0	0.00	0.00	0.0	
2	6989.8	85.6	225.00	66200	-480.9	-471.9	8.00	90.03	673.7	
3	6999.1	86.6	225,37	5620.6	-487.5	-478.4	4.00	95.78	683.0	
4	7989.9	86.6	225.37	6680.0	-1182.3	-1182.3	0.00	0.00	1672.0	Navajo Tribal U #16 Est BHL









Britaine Company : From Section 1

WellPlan Services
Tacitus Venture Corp.
San Juan Couty NW
Sec 18 T26N R18W
Navajo Tribal U #16
Hz Re-Entry



Well Navajo Tribal U #16 RKB @ 5812.0usft (kb;13') RKB @ 5812.0usft (kb;13') True Minimum Curvature

nged Surve				**************************************	on America	A450	100 No. 120	Santa Cara		
i lireno –	W 4	Althor to	Vertical."	o un	COLUM		Vertical	Dogleg	Build	Turn
Depth Lusti	Inclination.	Azimiith	Depth (usit)	Subsea	+B/S/G	10 TO	Section (usft)	(°/100usft)	Rate (*100usft)	Rate (*/190us/
TIME					Political Control of the Control of					
etk Pt;5907.	3' MD 0.5	135.00	5,905.1	93.1	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	7.4	220.86	5,905.1	185.6	-4.9	-3.6	6.0	8.00	7.43	92.62
,100.0	15.4	223.06	6,095.5	283.5	-19.5	-17.0	25.8	8.00	7.99	2.20
,200.0	23.4	223.77	6,189.7	377.7	-43.6	-39.8	59.0	8.00	8.00	0.72
.300.0	31.4	224.14	6,278.4	466.4	-76.7	-71.8	105.0	8.00	8.00	0.72
,400.0	39.4	224.37	6,359.9	547.9	-118.2	-112.2	162.9	8.00	8.00	0.23
,500.0	47.4	224.53	6.432.4	620.4	-167.2	-160.3	231.6	8.00	8.00	0.16
.600.0	55.4	224.66	6,494.7	682.7	-222.8	-215.1	309.7	8.00	8.00	0.13
,700.0	63.4	224.76	6,545.6	733.6	-283.9	-275.6	395.7	8.00	8.00	0.10
800.0	71.4	224.85	6,584.0	772.0	-349.4	-340.7	487.9	8.00	8.00	0.09
					Commence of the second second			The state of the s	ery in a service of the	
Mississipple	et term taken to a fact	224.00	5.000.0	700.0		270.4	540.0	0.00	0.00	0.00
,857.2	76.0	224,90	6,600.0	788.0	-388.3	-379.4	542.8	8.00	8.00	0.08
,900.0	79.4	224.93	6,609.1	797.1	-417.9	-408.9	584.6	8,00	8.00	0.08
EOB;6989.8	and the state of t	202.00	2 000 0	200.0	400.0	474.0	672.7	9.00	9.00	A 00
,989.8	86.6	225.00	6,620.0	0.808	-480.9	-471.9	673.7	8.00	8.00	0.08
,999.1	86.6	225.37	6,620.6	808.6	-487.5	-478.4	683.0	4.00	-0.40	0.00
,000.0	86.6	225.37	6,620.6	808.6	-488.1	-479.1	683.9	0.00	0.00	0.00
,100.0	86.6	225.37	6,626.6	814.6	-558.2	-550.1	783.7	0.00	0.00	0.00
,200.0	86.6	225.37	6,632.6	820.6	-628.4	-621.2	883.5	0.00	0.00	0.00
,300.0	86.6	225.37	6,638.6	826.6	-698.5	-692.2	983.4	0.00	0.00	0.00
,400.0	86.6	225.37	6,644.6	832.6	-768.6	-763.2	1,083.2	0.00	0.00	0.00
,500.0	86.6	225.37	6,650.6	838.6	-838.7	-834.3	1,183.0	0.00	0.00	0.00
600.0	86.6	225.37	6,656.6	844.6	-908.9	-905.3	1,282.8	0.00	0.00	0.00
,700.0	86.6	225.37	6,662.6	850.6	-979.0	-976.3	1,382.6	0.00	0.00	0.00
,800.0	86.6	225.37	6,668.6	856.6	-1,049.1	-1,047.4	1,482.4	0.00	0.00	0.00
,900.0	86.6	225.37	6,674.6	862.6	-1,119.2	-1,118.4	1,582.3	0.00	0.00	0.00
TD at 7989.9	9' MD			77. T.		PERSON A				
.989.9	86.6	225.37	6,680.0	868.0	-1,182.3	-1,182.3	1,672.0	0.00	0.00	0.00

	Angle (*)	Olp Dir. (°)	TVD (usft)	+N/-S (usit)	+E/-W (usft)	Northing (usft)	Easting (usft)	Lafftude	Longitude
Navajo Tribal U #16 Est - plan hits target center - Point	0.0	0.00	6,680.0	-1,182.3	-1,182.3	-1,182.28	-1,182.28	0° 0' 0.000 N	0° 0' 0.000 E

Formations Measured Depth (usft)	Vertical Depth (usft)	Subsea Depth (usft)	Nam	Dip Dip Direction
6,857.2	6,600.0	-788.0	Mississippian	0,00



Planning Report



WeilPlan Services
Tacitus Venture Corp.
San Juan Couty NW
Sec 16 T26N R18W
Navajo Tribal U #16
Hz Re-Entry



Well Navajo Tribal U #16 RKB @ 5812 0usft (kb;13') RKB @ 5812.0usft (kb;13') True Minimum Curvature

Measured Depth (ust1)	Vertical Depth (usft)	Engal Google - IN/S (usft)	nime +E/WC **** (usft)	Comment
	"SERV" Medical Con-	0.0	0.0	stk Pt;5907.3' MD
5,907.3	5,905.1	0.0		
5,907.3 6,989.8	5,905.1 6,620.0	-480.9	-471.9	EOB;6989.8' MD

BLM CONDITION OF APPROVAL

CASING REPAIR, WORKOVER AND RECOMPLETION OPERATIONS:

- 1. If casing repair operations are needed, obtain prior approval from this office before commencing repairs. If a CBL or other logs are run, provide this office with a copy.
- 2. After any casing repair operations, test cement squeeze to a minimum of 500# for 30 minutes with no more than 10 % pressure fall off in the 30 minute test period. Provide test chart with your subsequent report of operations
- 3. A properly functioning BOP and related equipment must be installed prior to commencing workover, casing repair, and/or recompletion operations.
- 4. Contact this office at (505) 564-7750 prior to conducting any cementing operations

SPECIAL STIPULATIONS:

- 1. Pits will be fenced during work-over operation.
- 2. All disturbance will be kept on existing pad.
- 3. All pits will be pulled and closed immediately upon completion of the recompletion and work-over activities.
- 4. Pits will be lined with an impervious material at least 12 mils thick.