Submit 1 Copy To Appropriate District Office	State of New Mexico	Form C-103					
District 1 - (575) 393-6161	Energy, Minerals and Natural Resources	Revised July 18, 2013					
1625 N. French Dr., Hobbs, NM 88240		WELL API NO.					
<u>District II</u> - (575) 748-1283 811 S. First St., Artesia, NM 88210	OIL CONSERVATION DIVISION	30-021-20661					
District III - (505) 334-6178	1220 South St. Francis Dr.	5. Indicate Type of Lease					
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87505	STATE FEE S					
<u>District IV</u> = (505) 476-3460 1220 S. St. Francis Dr., Santa Fe, NM	Sama 1 c, 14141 67303	6. State Oil & Gas Lease No.					
87505		313464					
SUNDRY NOTIC	ES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name					
	LS TO DRILL OR TO DEEPEN OR PLUG BACK TO A	DAHL 1927 03					
PROPOSALS,)	TION FOR PERMIT" (FORM C-101) FOR SUCH	8. Well Number 01					
1. Type of Well: Oil Well	Gas Well X Other						
2. Name of Operator	045 77 077 123 0 0770	9. OGRID Number 25078					
WHITING OIL AND GAS CORPO	RATION	7. 00.02 (1.0.00)					
3. Address of Operator		10. Pool name or Wildcat					
400 W ILLINOIS STE 1300 MIDI	AND, TX 79701	BRAVO DOME CARBON DIOXIDE GAS 640					
4. Well Location		BRAYO DOME CARBON DIOXIDE GAS 640					
•	am the COUTH live and 1663 foot from the 11	more the					
<b>\</b>	om the SOUTH line and 1662 feet from the W	}					
Section 3 Township	19N Range 27E NMPM	County HARDING					
	11. Elevation (Show whether DR, RKB, RT, GR	, etc.)					
	5672' GR						
12. Check Ap	propriate Box to Indicate Nature of Not	ice, Report or Other Data					
NOTICE OF INT	ENTION TO 1						
NOTICE OF INT		SUBSEQUENT REPORT OF:					
<del></del>	PLUG AND ABANDON 🔟 REMEDIAL \						
<del></del>		EDRILLING OPNS. P AND A					
<del></del>	MULTIPLE COMPL	MENT JOB 🔲					
DOWNHOLE COMMINGLE 🔲	•						
CLOSED-LOOP SYSTEM							
OTHER:							
"							
13. Describe proposed or comple	ted operations. (Clearly state all pertinent detail	s, and give pertinent dates, including estimated date					
	c). SEE RULE 19.15.7.14 NMAC. For Multiple	e Completions: Attach wellbore diagram of					
proposed completion or recor	npietion,						
SEE ATTACHED P&A PROCEDUR	E AND SCHEMATIC						
SEE ATTACHED TWA PROCEDUR	E AND SCHEMATIC						
		·					
Spud Date:	Rig Release Date:						
•							
•							
I hereby certify that the information ab	ove is true and complete to the best of my know	ledge and helief					
Thereby certify that the infolmation ac	ove is true and complete to the best of my know	leage and benefit.					
$$ $\sim$ $\sim$ $\sim$	/						
SIGNATURE Jan	idd 📈 — TITLE: REGULATORY AN	JALYST DATE: 12/08/2015					
Type or print name Kay Maddox E-n	nail address: <u>kay.Maddox@Whiting.com</u> PHO	NE: 432-638-8475					
For State Use Only		,					
TAR.	Α	F 1_					
APPROVED BY!	TITLE DISTILL	DATE 12/21/15					
Conditions of Approval (if any);/							
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$\nu$							

		RECOMM	ENDED	REEDIA			December	8. 2015	
Lease Dahl 19	927 Well N	o #031	WOG	GWI 100					
Pool Bravo Dom	e, West	County	Harding	Sta	te_NM	AP	I # _30 - 0	21 - 206	61
Legal Location:	1674' FSL	_lule2 FWL	Sec	03, T -	19 - N	R - 27	- E		
Completion Date	12-10-14	@ T. D.	2960'	_ I. P. /	AOF: _	0 MC	F, 160 BW	C. J. Cont.	
Water H	rs 8 swabl	oing, Preser	at T. D.	2870	Elevati	on56	72' GL	KB = 5	678'
		DESCRIPTION	OF PROS	PECTIVE O	R PAY Z	ONES			
Name or Type						TO CONTROL OF THE PARTY OF THE			
Santa Rosa							ion Interva	1	
San Andres / Gl									
Tubb sand		2701′	2747	Propo	sed CO2	Product	ion Interva	1	
		CAS	ING AND	LINER REC	ORD				
Size Weigh	t Grade	Set At	SX CMT	Hole Siz	e P	erf.	Remar	ks	
9-5/8" 36#	J-55	770'	500	12-1/4"	_		Cement ci	rculated	
5-1/2" 15.5#	J-55	2960'	975	8-3/4"	2722	- 2726'	Cement ci	rculated	1 4
		COMPLETION			THE RESERVE OF THE PARTY OF THE				
Product	ion Test Befo	ore		Treatme	nt	1	Production	Test Aft	er
Date Gas	@ psi water	Hrs Typ	pe 2	Amount	From	To	Gas @ ps	i water	Hrs
10-14-14 Tubb a	nd Abo comple	etion (	18')	none	2722'	2760'	0 MCF,	0 psi	24F
10-17-14 Tubb a	cid - break	perfs 15%	HCl 75	0 gals	2722'	2760'	0 MCF,	50 psi	24F
10-23-14 Tubb f	rac, 40 tons	CO2 650	CO2 3	LK#/14Kq	2722'	2760'	0 MCF,	0 psi	24F
12-10-14 Tubb c	ompletion		sv	vab test	2722'	2760'	0 MCF,	160 BW	85
CUM. Prod	MMCF,	MBW				as of	f:		
Last Test:	MCFPD	BWPD				Date	:		
Reasons for Pl	lug and Aban	donment:	11 1 1 1	13 ( 31	100		- 事 / きョー   よ		
			- to			: 1	State and1		ОХУ
This is a wildcat w	ell offset to He	ss's West	7	11 12		\$5ate #301	* *	4 51	Bravo

This is a wildcat well offset to Hess's West Bravo Dome CO2 Dome CO2 Unit. are insufficiently structurally too low Tubb sand in thi quality and was we

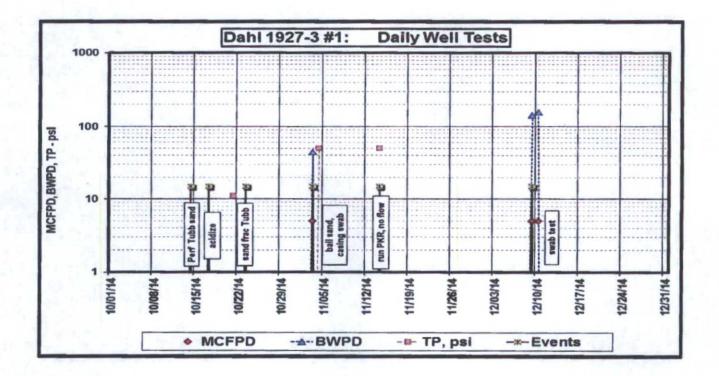
Bravo Dome CO2 Unit and OXY's Bravo		-				part of	1111	230c	beeff 21	1	Boile
Dome CO2 Unit. The WeXA pay sands are insufficiently developed and often	1 72	37	:	t sed eggs	80	et ici	M (C)		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14	7
structurally too low to be economical. The	A CCCN			HICE HICE		L costs #521	Louds #331	# 100	9 and	State	» 4
Tubb sand in this well was thin, poor quality and was wet.	2 242	Guti nozt	1	and the same of	Date:	-	* Louis	100	Lowers 10021	mott : #	Hess West Bravo Dome
	1.	*	11	Bahi et21	*	•	4	Emmin ett		er .	# # ±
		Donate MIN. 11			P.	Labii 91/1	State orati			0	±=
Robert McNaughton	4			Gecater #241	7			TÍ.		Plazam street	* ±
	-	1			AX Gen e301	:	28	2.0		1	20 1
	-	37 1 2	N	я	-	Cook bt Ap	10- 1-	34	25	-	* ±

# Objective: Plug and Abandon

# **Basic Procedure:**

Renegade ran a CBL on 10-08-14: TOC was at the surface (Good formation bond). A pressure survey was run on October 21<sup>st</sup>, 2014: surface was 11 psi and BHP was 770 psi. FL was tagged at about 1250'. Last well work was in December 2014 (swabbing). Rig anchor tests should be current.

- Set a 5-1/2" CIBP @ 2655' and cap with 35'+ cement by bailer.
- Load hole w/ 10 PPG salt gel mud.
- Dig out the 9-5/8" casing and check the annulus for any pressure.
- Pump a 35 sx plug across the 9-5/8" casing shoe from 620' to 820'. Pump a 25 sx FW plug from 300' to 500'. If the NMOCD requires tags, it may be faster and cheaper to just fill the casing to surface with cement.
- Pump 10 sx and fill casing from 50' to the surface.
- Fill in the annulus around the 9-5/8" at the surface with cement as needed.
- · Remove the wellhead and weld on cap with standard dry hole marker.
- · Cut off rig anchors and smooth location. Remove fences and caliche as needed.





# **CO2 Supply Well**

FIELD:

Bravo Dome, 640 Tubb

LEASE:

**Dahl** 1927

COUNTY: Harding

DATE: Jan. 19, 2015

BY:

RTM

WELL: #031

STATE: New Mexico

Location: 1674' FSL & 1662' FWL (K) Sec. 3 - T 19 N - R 27 E

SPUD: 09/15/2014 Completed:

12/10/2014

CURRENT STATUS: SI for evaluation

GL = 5,672'

Formation: Tubb (CO2)

API =

KB =

30-021-20661

5,678'

12-14"

9-5/8", 36#, J-55 at 770"

cemented w/ 500 sx, circulated 65 Bbls (178 sx)

Hole

8-34"

hole

Tubb Perfs: 2722' - 2730' (8') @ 6 SPF

(10-14-14)

Abo Perfs: 2750' - 2760' (10') @ 6 SPF

Frac wl 30537# 16/30 Sinterlite, 13608 gals & 40 tons CD2

(10-23-14)

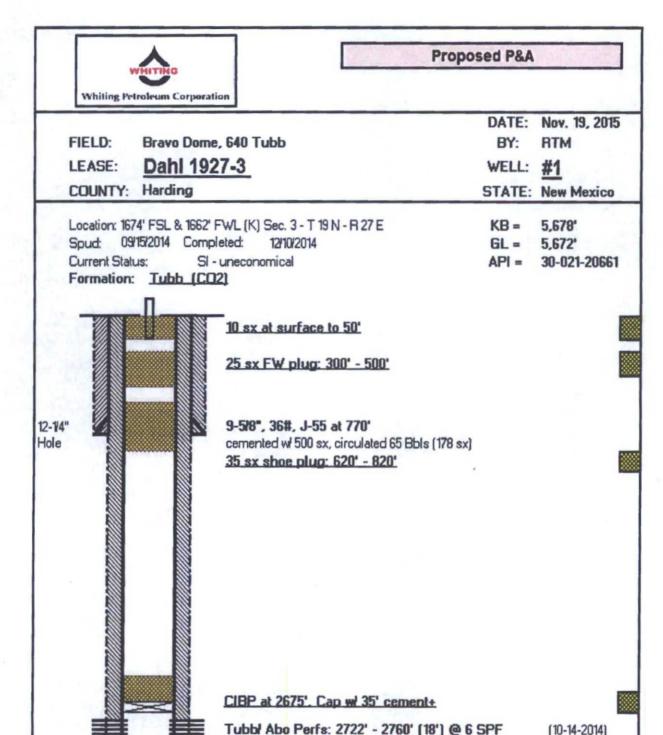
(10-14-14)

5-1/2", 15.5#, J-55 at 2960'

cmt'd. wl 975 sx , circulated 124 bbls (352 sx) (TOC @ surface by CBL)

PBTD @ 2870'

TD @ 2960'



8-3/4" hole

> PBTD @ TD @ 2960'

5-1/2", 15.5#, J-55 at 2960'

cmt'd. w/ 975 sx , circulated 124 bbls (352 sx) (TOC @ surface by CBL)

(10-23-2014)

Frac wl 30537# 16/30 Sinterlite, 13608 gals & 40 tons CD2

District 1
1025 N. French Cr., Hobbs, NM 86740
Prons, (375) 201-0101 Fax: (775) 303-0720
District 13
811 S. Ford St., Aresie, NM 88210
Prons, (375) 748-1285 Fax (575) 748-0720
District 10
1000 Rob Grazon Rd., Astec, NM 87410
Prons; (305) 334-6176 Fax: (305) 334-6170
Chintic IV
1220 S. Siffernos Cr., Saras Fa, ISM 87809
Prans; (309) 476-3470 Fax: (309) 478-3482

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

Ferre C-101 August 1, 2011 Perret 190196

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE WHITING OIL AND GAS CORPORATION 25078 400 W. Elinois Midland, TX 79701 30-021-20661 4 Preparty Code 313484 DAHL 1927 03 7. Eurlace Location Feet From 1674 UL LD Lot be N/B Line 19N 27E 1682 Handing 8. Proposed Bottom Hole Location EW LINE 27E 1574 19N 1682 Herding 9. Pool Information BRAVO DOME CARBON DIOXIDE GAS 840 96010 Additional Well information 11. Work Type Now Well 14 Lesse Type Private 18. Ground Level Eleves 5672 CO2 20. Spud Chess 8/25/2014 15. Much 3800 Tubb We will be using a closed-toop system in lieu of fined pits 21. Proposed Casing and Cement Program 8 75 Casing/Cement Program: Additional Comments 22. Proposed Blowout Prevention Program
Ted Preserve Туре Manufacturer REGAN TAURUS 3000 Annutar 3000 23. I hereby certify that the information given above is true and complete to the best of my OIL CONSERVATION DIVISION impringe and belof.

1 further certify I have compiled with 19.15.14.9 (A) NMAC 25 and/or 19.15.14.9 (B) NMAC 35, if applicable. Signature Electronically filed by Kay Maddox Charle Pentin Printed Name Approved By Regulatory Agent 7804 170% District Supervisor 8/29/2014 kay meddox@whiting.com Expiration Date 6/29/2016 Email Address Approved Depart Phone 432-686-6709 B/18/2014 Conditions of Approval Attached Dete