#### State of New Mexico Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham Governor

Sarah Cottrell Propst Cabinet Secretary

Todd E. Leahy, JD, PhD Deputy Secretary

Adrienne Sandoval, Division Director Oil Conservation Division



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.

10110wing <u>5100-4 of 5100-5</u> form.
Operator Signature Date: 2/14/2020 Well information:
30-045-25574 CAIN #002
HILCORP ENERGY COMPANY
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:
Conditions of Approval:
<ul> <li>Notify NMOCD 24hrs prior to beginning operations.</li> </ul>
<ul> <li>In addition to the plugs approved by BLM:</li> <li>Add a Pictured Cliffs plug 2165'- 2065.' OCD P.C. top pick @ 2085.'</li> <li>Add a Kirtland plug 398'-0'. OCD Kirtland top pick @ 348'.</li> </ul>
XIII 11/2/2020
NMOCD Approved by Signature Date

Form 3160-5 (June 2015)

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 Expires: January 31, 2018 5. Lease Serial No. NMSF078464

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an

6. If Indian, Allottee or Tribe Name

abandoned wel	II. Use form 3160-3 (APD) for	such proposals.		o. If malan, finotice of	Tribe rume
SUBMIT IN T	TRIPLICATE - Other instruction	ons on page 2		7. If Unit or CA/Agreen	nent, Name and/or No.
Type of Well	ner			8. Well Name and No. CAIN 2	
Name of Operator     HILCORP ENERGY COMPAN	Contact: PRIS	CILLA SHORTY		9. API Well No. 30-045-25574-00	-D1
3a. Address 1111 TRAVIS STREET HOUSTON, TX 77002  3b. Phone No. (include area code) Ph: 505-324-5188  UNDESIGNATED					
4. Location of Well (Footage, Sec., T.	., R., M., or Survey Description)			11. County or Parish, St	ate
Sec 25 T31N R13W SENE 15 36.873688 N Lat, 108.148849				SAN JUAN COUI	NTY, NM
12. CHECK THE AF	PPROPRIATE BOX(ES) TO I	NDICATE NATURE OF	F NOTICE, I	REPORT, OR OTHE	ER DATA
TYPE OF SUBMISSION		TYPE OF	ACTION		
Ni-ti	☐ Acidize	☐ Deepen	☐ Production	on (Start/Resume)	☐ Water Shut-Off
■ Notice of Intent	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclama	tion	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	■ New Construction	☐ Recompl	ete	Other
☐ Final Abandonment Notice	☐ Change Plans	□ Plug and Abandon	□ Tempora	rily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water D	isposal	
testing has been completed. Final Abdetermined that the site is ready for final During well review, it was four the subject well. The wellbore daily rig report.  Hilcorp Energy Company requirement and proposed wellbore	operations. If the operation results in pandonment Notices must be filed only inal inspection.  Indeed, the CIBP, originally placed was cleanout to plugback TD was cleanout to plugback TD was permission to P&A the sulter schematics. A closed loop system with Randy McKee. The recommendation of the part of the property of the property of the property of the property of the part	2 after all requirements, including 2100, was removed on 2175'. See attached Gobject well per the attaches tem will be used. The present and the present actions are stem will be used.	ing reclamation  2/29/2000 f  reystone En  ed procedure  re-disturbance	, have been completed and or ergy's	d the operator has
				NMOCD	Rec'd
				11/2/	
14. I hereby certify that the foregoing is	Electronic Submission #50340	Y COMPANY, sent to the	Farmington	•	
	A SHORTY			ULATORY TECH SF	2
71 / 111001					-
Signature (Electronic S	Submission)	Date 02/14/20	)20		
	THIS SPACE FOR FE	EDERAL OR STATE (	OFFICE US	SE	
Approved By JOE KILLINS		TitleENGINEEF	₹		Date 02/18/2020
Conditions of approval, if any, are attached certify that the applicant holds legal or equivalent would entitle the applicant to conductive the conductive that the applicant to conductive the applic	itable title to those rights in the subject	arrant or			
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent s			willfully to mal	ke to any department or ag	gency of the United



### Hilcorp Energy Company CAIN 2

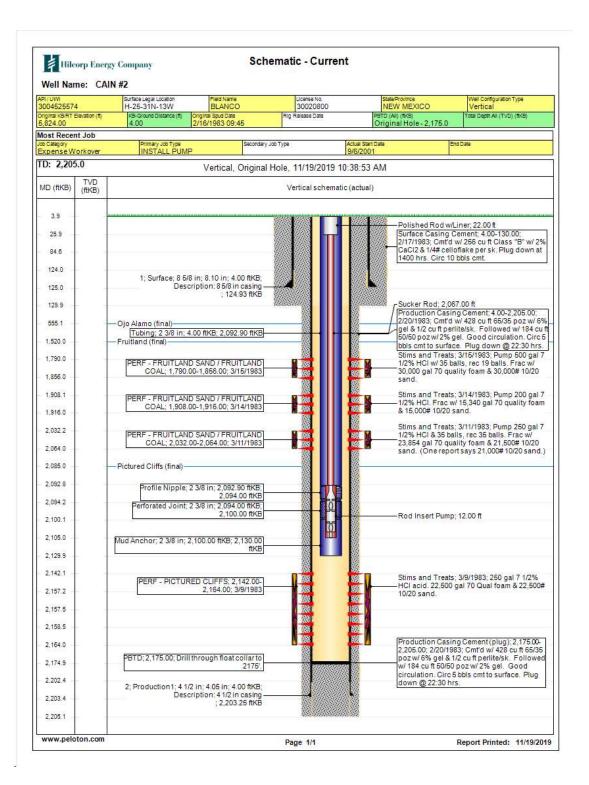
NOI - Plug and Abandon API #: 3004525574

#### PROCEDURE

1. Hold a pre-job safety meeting prior to beginning all operations or during a change in operational scope or initiation of SIMOPs. Properly document all operations via the JSA process. Insure that all personnel onsight abide by HEC safety protocol, including PPE, housekeeping, and procedures. Verify cathodic protection is off and wellhead instrumentation is properly disconnected from wellhead. Comply with all NMOCD, BLM, and HEC safety and environmental regulations. Verify there is no H2S present prior to beginning operations. If H2S is present, take the necessary actions to insure that the operation is safe prior to beginning operations. Observe and record pressures across all strings daily, prior to beginning operations. Notify NMOCD and BLM 24 hours in advance of beginning operations

NOTE: this procedure is contingent upon P&A sundry approval by both the BLM and the NMOCD. All cement volumes use 100% excess outside pipe and 50' excess inside (unless stated otherwise). All cement will be Class G, mixed at 15.8 ppg with a 1.15 cf/sx yield. 8.3 ppg fluid will be used to balance the well during this operation.

- 2. MIRU service rig and associated equipment, ND casing risers
- 3. LOTO pumping unit. Remove horse's head and bridle. Unseat pump and POOH with pump, LD rods.
- 4. ND tree and NU BOPs. Pressure and function test BOPs to 150/1500 psi.
- 5. PU on tbg, remove hanger, POOH LD tbg.
- 6. PU workstring. RIH w/ bit and scraper to 1780', POOH. RIH w/ CIBP and set at 2103'.
- 7. PLUG #1: Mix and pump a 99 sx, Class G cement balanced plug on top of the CIBP from 2103' to 1470' to isolate the Pictured Cliff perfs and sand top and cover the Fruitland Coal perfs and top. PUH and RO excess cement. WOC
- 8. PLUG #2: LIH and tag TOC on Plug #1. Mix and pump a 26 sx, Class G cement balanced plug from 700' to 450' to cover the Kirtland and Ojo Alamo tops. PUH and RO excess cement. WOC
- 9. PLUG #3: Mix and pump a 20 sx, Class G cement balanced plug from 175-0' to cover the surface casing shoe. PUH and RO excess cement. LD tbg, WOC
- 9. ND BOPs, cementing valves. Cut csg and remove wellhead. Fill annulus with cement, as needed. Install P&A marker to comply with regulations, record GPS coordinate for P&A marker, and photograph P&A marker in place. RDMO.















#### Hilcorp Energy Company Plug & Abandon Procedure

November 23, 2019

Well: Cain #2 API: 30-045-25574

Location: 1520' FNL & 790' FEL Field: Fruitland Coal/Pictured Cliffs

Sec, T, R: Sec 25, 31N, 13W Elevation: GL: 5820' Cnty/State: San Juan, New Mexico

**Lat/Long:** 36.8737411, -108.1494522 **By:** Aztec Well Servicing

Cain #2
API: 30-045-25574
San Juan, County
Pictured Cliffs
Proposed P&A WBD

Plug 3: 175' - surface 20 sxs Class G

Csg shoe @125'

Ojo Alamo Top: 555' Kirtland Top: ???

> Plug 2: 605' - 505' 12 sxs Class G

Fruitland Top: 1520'

PLUG 1: 1740' - 1470' 25 sxs Class G

CICR @ 1740'

Pictured Cliff Top: 2085'

00000

Fruitland Perfs: 1790' - 2064'

8-5/8" 20# set @ 125' Cemented w 150 sxs Circ 10 bbls to surface

Pictured Cliffs Perfs: 2142' - 2164'

4-1/2" 10.5# Production @ 2203 Cemented w 300 sxs Good circulation, Circ 5 bbls to surface

PBTD 2175' TD 2205'

#### Hilcorp Energy P&A Final Reclamation Plan Cain # 2 API: 30-045-25574

K – Sec.11-T032N-R008W

Lat: 36.873684, Long: -108.148897 Footage: 1520' FNL & 790' FEL San Juan County, NM

#### 1. PRE-RECLAMATION SITE INSPECTION

1.1) A pre-reclamation site inspection was completed by Randy McKee with the BLM and Chad Perkins construction Foreman for Hilcorp Energy on December 13, 2019.

#### 2. LOCATION RECLAMATION PROCEDURE

- 2.1) Reclamation work will begin in the spring/summer of 2020.
- 2.2) Remove all equipment and strip all piping including water line drip.
- 2.3) All trash and debris will be removed within 50' buffer outside of the location disturbance during reclamation.
- 2.4) No re-contour will be required because the location matches the natural topography.
- 2.5) Rip compacted soil and walk down entire well pad.

#### 3. ACCESS ROAD RECLAMATION PROCEDURE:

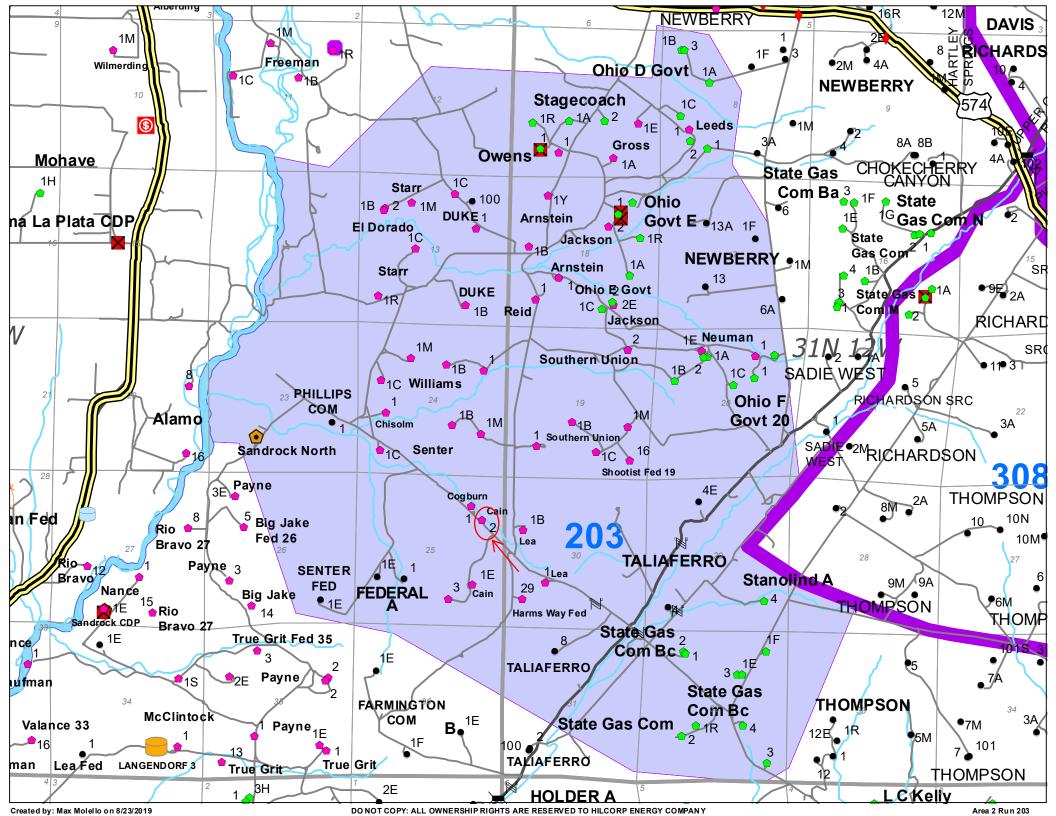
- 3.1) There is no lease road to reclaim, access onto location is off the main lease road.
- 3.2) The location has two access entrances off of the main lease road that will be fenced off to barricade and inhibit travel onto location once the reclamation is complete.

#### 4. SEEDING PROCDURE

- 4.1) The following seeding yield will be applied at a rate of:
  - Fourwing saltbush 4 LBS/PLS per acre
  - Winterfat 2 LBS/PLS per acre
  - Indian ricegrass 3.5 LBS/PLS per acre
  - Sand dropseed .5 LBS/PLS per acre
  - Blue grama 2 LBS/PLS per acre
  - James galleta 4 LBS/PLS per acre
  - Sand sage 2 LBS/PLS per acre
  - Sage brush 2 LBS/PLS per acre
  - Rocky mountain BEE plant .25 LBS per acre
- 4.2) Drill seeding will be done where applicable and all other disturbed areas will be broadcast seeded and harrowed, broadcast seeding will be applied at a double the rate of seed.
- 4.3) Timing of the seeding will take place when the ground is not frozen or saturated.

#### 5. WEED MANAGEMENT

5.1) No action is required at this time for weed management, no noxious weeds were identified during the onsite.





## GREYSTONE ENERGY, INC. DAILY RIG REPORT

HUB: DATE:	Farmington 02/28/2000	OPERATIN	IG DAYS: 1	RIG:	AWS 473		
WELLNAM	ME CAIN #2						
TD:	2100	PBTD:	2100	PKR:	PLUG@ 21	00'	
FORMATI	ON FRUITLAND/PC	TUBING	2-3/8 EUE 8 RD				
PERFS:	1790 TO 2164'	-					
			OPERATIONS PA	ST 24 HOURS			
START TI	ME:	STOP:					
	SECURE WELL AND S						
ACCOUN	NT INTANGIBLE				TANGIBLE		
NUMBE		CUM	\$0	NUMBER	Tubing	DAILY \$0	CUM \$0
2 - 1-9 <sup>2</sup>	FRAC \$0		\$0 \$0		PRO TEC WRK STR.	\$0 \$0	\$0 \$0

MUUUUUNI	MAIMOIDEE		
NUMBER	COST	DAILY	CUM
	Wireline	\$0	\$0
	FRAC	\$0	\$0
	ACID	\$0	\$0
	Rental Tools	\$0	\$0
	COMP, UNIT	\$2,000	\$2,000
756	Trucking	\$750	\$750
	Tank Rental	\$0	\$0
	H2O & TRK	\$250	\$250
	Total Intermible	\$3,000	\$3,000
	Total Intangible	\$3,000	\$3,000

ACCOUNT NUMBER	TANGIBLE	DAILY	CUM
110.110.11	Tubing T	\$0	\$0
No. of the last of	PRO TEC	\$0	\$0
	WRK STR.	\$0	\$0
	ROUSTA.	\$0	\$0
	PUMP	\$0	\$0
	RODS	\$0	\$0
	CSI	\$0	\$0
	WELL.HD	\$0	\$0
	Total Tangib	\$0	\$0

## GREYSTONE ENERGY, INC. DAILY RIG REPORT

HUB: DATE:	Farmington 03/01/2000		OPERATING	G DAYS:	2	RIG:	AWS 473		***
WELLNAME	E CAIN #2		ngaharan sa kitikaya ka kating kitika sa kitika	_					
TD:	2100		PBTD:	2100		PKR:	PLUG@ 21	00'	
FORMATIO	N FRUITLAND/P	С	TUBING	2-3/8 EUE	8 RD				
PERFS:	1790 TO 2164	1							
				OPERATIO	NS PAS	T 24 HOURS			
START TIM	E:		STOP:						
rice Laboration								7	
02/29/2000	BLOW WELL	DOWN TO RIG P	IT.				. J.		
		RETRIEVING HE		BAILER, TRI	IN HOL	E TO TOP OF	PLUG.		
		TLE FILL OFF T						EAD WOUL	DNOTIA
						OF FLOG, K	LINEVINGII	LAD WOOL	DIVOTE
		IT FOR 1 HOUR							
		LITTLE FILL IN						UG.	
		TO PLUG AND P							
		TO PLUG SEVER			GET A	GOOD ENOU	3H BITE. PULI	LOUT OF H	OLE.
	SENT TO TOV	VN FOR A SHOR	T CATCH OVER	SHOT.					
	DRESSED TO	OLS AND TRIP I	N HOLE TO TOP	OF PLUG.		in C.			
	LATCHED ON	TO PLUG AND S	TARTED WORK	ING UP FRO	M 25.00	0#.			
		UG AT 42,000#			-				
2000		HOLE WITH PLU							
47,000	SHUT DOWN								
NOTE	WILL CLEAN	OUT AND RUN P	RODUCTION ST	RING AND	PUMP IN	THE MORNIN	G.		
									E-11/2
ACCOUNT	INTANGIBLE					ACCOUN	T TANGIBLE		
NUMBER	COST	DAILY	CUM			NUMBER	COST	DAILY	CUM
	Wireline	\$0	\$(				Tubing	\$0	\$0
	FRAC	\$0	\$(	57			PRO TEC	\$0	\$0

NUMBER	COST	DAILY	CUM
	Wireline	\$0	1000
	FRAC	\$0	
35	ACID	\$0	
	Rental Tools	\$2,500	\$2,5
	COMP, UNIT	\$2,500	\$4,5
	Trucking	\$0	\$7
	Tank Rental	\$0 \$0	
	H2O & TRK	\$0	\$2
	Total Intangible	\$5,000	\$8,0

NUMBER	COST	DAILY	CUM
	Tubing	\$0	\$0
	PRO TEC	\$0	\$0
	WRK STR.	\$0	\$0
	ROUSTA.	\$0	\$0
	PUMP	\$1,500	\$1,500
	RODS	\$0	\$0
	CSI	\$0	\$0
	WELL.HD	\$0	\$0
	Total Tangib	\$1,500	\$1,500

## GREYSTONE ENERGY, INC. DAILY RIG REPORT

HUB: DATE:	Farmington 03/01/2000	OPERATIN	G DAYS:	3	RIG:	AWS 473	
WELLNAN	ME CAIN #2	estinguistic discourse face that comments with small	-				
TD:	2203	PBTD:	2175		PKR:	NONE	
FORMATI	ON FRUITLAND/PC	TUBING	2-3/8 EUE 8 F	RD.			
PERFS:	1790/2064 & 2142/2164						
			OPERATION	PAST 2	4 HOURS		
START TI	ME:	STOP:	discontrassion of referentiary problems				
03/01/20	00 WELL HAD 410# ON CASING	AT 8:00 AM.					
00/01/20	BLOW WELL DOWN TO RIG		A THE RESIDENCE OF THE PARTY OF	-			
	PICKUP BAILER AND TRIP IN			15- 16-3			
	TAGGED UP ON FILL AT 214		ST OF PC PER	FS WER	E COVERI	ED.	
	CLEAN OUT TO PLUGBACK	TD AT 2175'.					
	PULL OUT OF HOLE.						
	FOUND 1-1/2 " PLUNGER ST	JCK IN FLAPPER	R VALVE.		4		- Fundament
	LAYED DOWN BAILER AND F	LAPPER VALVE					
	PICKUP 2" X 14' TUBING PUN	IP AND TRIP BA	CK IN HOLE TO	2157.05.			
126.0	RAN TUBING AS FOLLOWS.			Side Marie			75 AT 128
	1 EACH 2" TUBING PUMP.						
	1 EACH 3' X 2-3/8 TUBING SU	IB.		145 A.B.			
	69 JOINTS USED 2-3/8 8RD T	UBING.		ills (Bar)		ADELET .	
	LANDED TUBING, NIPPLE DO	WN BOPS AND	NIPPLE UP WE	LLHEAD		Jan Maria	
	RUN IN HOLE WITH RODS AI	ND ON/OFF TOO	L FOR TUBING	PUMP.		4-17-	
	SPACE OUT RODS AND HAN	G ON.					
	LOAD TUBING AND CHECK F	OR PUMP ACTIO	ON.				
	PLACE WELL ON PRODUCTI	ON.				A 5 5	
	RIG DOWN AND MOVE TO T	HE MCLINTOCK	#1.				
ACCOUN	T INTANGIBLE				ACCOUN	TANGIBLE	21.

NUMBER	COST	DAILY
	Wireline	\$0
Same Hadding 19	FRAC	\$0
	ACID	\$0
	Rental Tools	\$900
	COMP, UNIT	\$2,000
	Trucking	\$0
	Tank Rental	\$0
19.23	H2O & TRK	\$0
	Total Intangible	\$2,900

	\$0
	\$0
	\$0
	\$3,400
	\$6,500
	\$750
	\$0
	\$250
_	\$10,900

ACCOUNT NUMBER	TANGIBLE COST	DAILY	CUM
	Tubing	\$0	\$0
	PRO TEC	\$0	\$0
	WRK STR.	\$0	\$0
9 30	ROUSTA.	\$0	\$0
The state of the s	PUMP	\$2,742	\$2,742
	RODS	\$0	\$0
	CSI	\$0	\$0
	WELL.HD	\$0	\$0
	Total Tangib	\$2,742	\$2,742

## BLM FLUID MINERALS Geologic Report

Date Completed: 2/13/20

Well No.	Cain #2			Location	1520'	FNL	&	790	FEL
Lease No.	NMSF078464		•	Sec. 25	1	T31N			R13W
Operator	Hilcorp		, .	County	San Ju	an	State	New M	exico
Total Depth	2205'	PBTD 2	2175'	Formation	Commin	gled Fruit	and Coal/	Pictured Clif	fs
Elevation (GL)	5820'			Elevation (KI	B) 5832' (est.	)		·	

Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
				Surface/Fresh water sands
		Surface	555'	Fresh water sands
	(8)	555'	650'	Aquifer (fresh water)
		650'	1520'	
		1520'	2085'	Coal/Gas/Possible water
	31	2085'	PBTD	Gas
		7.		Probable water or dry
the desired states and the second	- ,			Probable water or dry
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			=	Water/Possible gas
		7		Coal/Ss/Water/Possible O&G
				Probable water/Possible O&G
				Source rock
				O&G/Water
				O&G/Water
	Est. 1op	Est. Top Est. Bottom	Surface 555' 650' 1520'	Surface 555' 555' 650' 650' 1520' 1520' 2085'

#### Remarks:

P & A

- Log analysis of reference well #2 (attached worksheet) indicates the Nacimiento formation contain fresh water (≤ 5,000 ppm TDS).

- Please ensure that the tops of the Pictured Cliffs, Fruitland, and Nacimiento formations as well as the entire Ojo Alamo aquifer, identified in this report, are isolated by proper placement of cement plugs. This will protect the freshwater sands in this well bore.

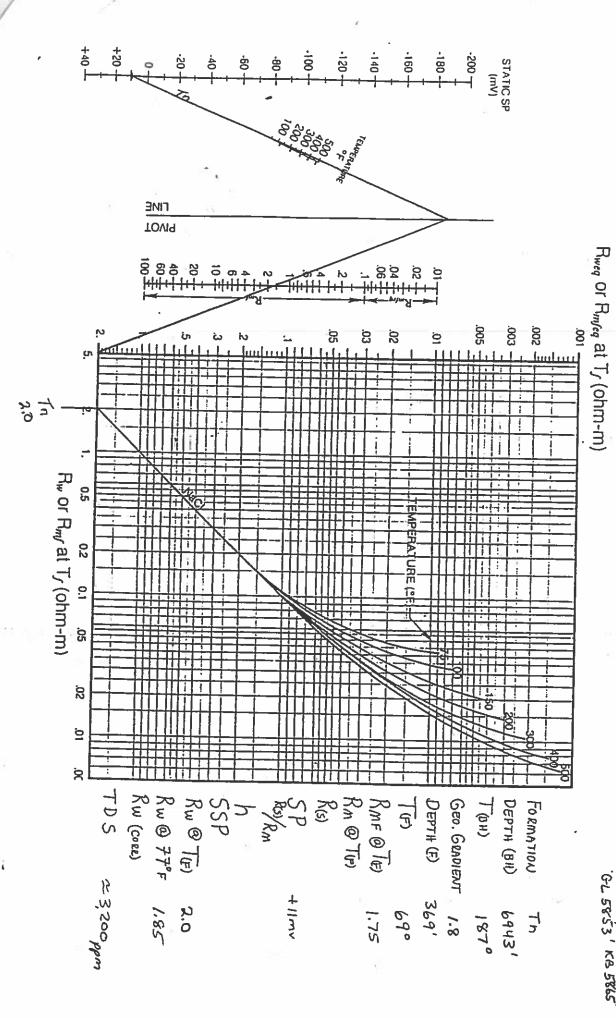
Reference Well:

1) Hilcorp Same Fm. Tops

2) Snyder Oil Co Williams # 1A Water Analysis

11190' FNL, 1850' FWL Sec 25, T31N, R13W GL 5853', KB 5865'

Prepared by: Walter Gage



Rmf=1.710710

Snyder oil Carp.

Williams #17

1190 FNL, 1850 FWL

Sec. 24, 3111-13W

GL 5853' KB 5865'

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

6251 COLLEGE BLVD. FARMINGTON, NEW MEXICO 87402

Attachment to notice of Intention to Abandon:

Re: Permanent Abandonment

Well: Cain 2

#### **CONDITIONS OF APPROVAL**

- 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 (505) 564-7750.

# 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.

- 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 date 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 seasonal closure 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.