

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, Director
Oil Conservation Division



October 7, 2020

Cobra Oil and Gas Corporation (OGRID 147404)
c/o Dana Hardy, Esq.
E-mail contact: dhardy@hinklelawfirm.com

RE: Administrative Order SWD-1719; Extension of Deadline to Inject

Well: State Wishbone SWD Well No. 1 (API 30-005-29217)
Located: Unit L, Sec 1, T11S, R31E, NMPM, Chaves County, New Mexico
Order Date: March 13, 2018
Injection formations: Devonian formation; 11,616 feet to 11,800 feet

Dear Ms. Hardy:

Reference is made to your February 21, 2020 request on behalf of Cobra Oil and Gas Corporation (the "operator") in a meeting with staff of the Oil Conservation Division ("OCD") to extend the deadline stipulated in the above titled order to commence injection for the above referenced well. The reasons presented in subsequent meetings and confirmed in a second correspondence dated May 6, 2020 were to enable the operator to conduct production tests on the shallower San Andres formation before commencing disposal operation in the permitted interval. The current deadline date to commence injection under said order is two years after issuance of the order: March 13, 2020.

It is the OCD's understanding from your correspondence that since the date of issuance of this permit, no additional wells have been drilled that penetrate the approved injection interval within the one half-mile Area of Review (AOR) and no new affected persons have been identified within the AOR.

The Division finds that for reasons you have stated, the granting of this request to extend this administrative order is in the interest of conservation, will prevent waste, and will protect the environment. Therefore, the deadline to commence injection for the existing order is hereby extended until **March 13, 2021.**

All requirements of the above referenced administrative order and agreements in the application remain in full force and effect. This includes conducting a successful mechanical integrity test following any remedial action to properly plug the test interval and the installation of the tubing and packer.

SWD-1719: Extension of Deadline to Commence Injection
Cobra Oil and Gas Corp. (OGRID 147404)
October 7, 2020
Page 2 of 2

An additional extension of the deadline to commence injection for this administrative order shall be considered but must be submitted in writing prior the new extended deadline. Otherwise, the injection authority shall expire under the terms of the extended administrative order and the operator shall be required to submit a new application to obtain injection authority for the referenced well.



ADRIENNE SANDOVAL
Director

AS/prg

cc: Oil Conservation Division – Artesia Office
Well file 30-005-29217
Order SWD-1719

Attachments: Copy of Hinkle Shanor LLP correspondence dated March 17, 2020
Copy of Hinkle Shanor LLP correspondence dated May 6, 2020
Copy of Cobra Presentation From Meeting on March 20, 2020



HINKLE SHANOR LLP

ATTORNEYS AT LAW

PO BOX 2068

SANTA FE, NEW MEXICO 87504

505-982-4554 (FAX) 505-982-8623

WRITER:

Dana S. Hardy, Partner
dhardy@hinklelawfirm.com

March 17, 2020

Via Electronic Mail

OCD.Hearings@state.nm.us

Adrienne Sandoval
Director, Oil Conservation Division
New Mexico Department of Energy, Minerals, and Natural Resources
1220 South St. Francis Drive
Santa Fe, NM 87505

Re: Request for Extension of Injection Authority Under Administrative Order SWD-1719

Dear Director Sandoval:

I am writing on behalf of Cobra Oil and Gas Corporation ("Cobra") to request a one-year extension of Cobra's injection authority under Administrative Order SWD-1719 to allow Cobra to work with the New Mexico Oil Conservation Division ("Division") regarding the potential temporary conversion of the Wishbone State SWD No. 1 well to test the San Andres formation for production, as has been discussed by Cobra and representatives of the Division. Cobra and representatives of the Division are scheduled to further discuss this matter on March 20, 2020, and Cobra intends to comply with all Division requirements in relation to the proposed conversion. By affording Cobra additional time to potentially test the formation for production, the requested extension will prevent waste, conserve resources, and protect correlative rights.

Thank you for your attention to this matter and for your consideration of this request.

Very truly yours,

Dana S. Hardy

cc: (via electronic mail)
Eric Ames (Eric.Ames@state.nm.us)
Gabriel Wade (Gabriel.Wade@state.nm.us)



HINKLE SHANOR LLP
 ATTORNEYS AT LAW
 PO BOX 2068
 SANTA FE, NEW MEXICO 87504
 505-982-4554 (FAX) 505-982-8623

WRITER:

Dana S. Hardy, Partner
 dhardy@hinklelawfirm.com

May 6, 2020

Via Electronic Mail – Phillip.Goetze@state.nm.us

Phillip Goetze
 Oil Conservation Division
 New Mexico Department of Energy, Minerals, and Natural Resources
 1220 South St. Francis Drive
 Santa Fe, NM 87505

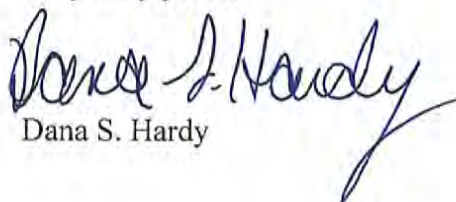
*Re: Cobra Oil and Gas Corporation - Request for Extension of Injection Authority
 Under Administrative Order SWD-1719*

Dear Mr. Goetze:

In accordance with the March 20, 2020 telephone conference between representatives of the Oil Conservation Division ("Division") and Cobra Oil and Gas Corporation ("Cobra"), I am writing to advise the Division that Cobra has reviewed the Area of Review Map included in the Form C-108 for the State Wishbone SWD No. 1 Well, as well as the Affected Parties who were notified of the Form C-108. Cobra has determined that no changes in the map or Affected Parties have occurred since the Form C-108 was submitted.

Thank you for your attention to this matter. Please do not hesitate to contact me if you have any questions.

Very truly yours,



Dana S. Hardy

cc: (via electronic mail)
 Eric Ames (Eric.Ames@state.nm.us)
 Kyle Gardner (kgardner@cobraogc.com)

PO BOX 10
 ROSWELL, NEW MEXICO 88202
 575-622-6510
 (FAX) 575-623-9332

PO BOX 1720
 ARTESIA, NEW MEXICO 88211
 575-622-6510
 (FAX) 575-746-6316

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 505-982-4554
 (FAX) 505-982-8623

7601 JEFFERSON ST NE • SUITE 180
 ALBUQUERQUE, NEW MEXICO 87109
 505-858-8320
 (FAX) 505-858-8321

Cobra Oil & Gas Corporation and New Mexico Oil Conservation Division

Teleconference 10:30 MDT

**Discussion Topic:
Reversion of Well Designation
from SWD to Producer allowing
a test of the San Andres Formation**

**State Wishbone SWD #1
Chaves Co., NM**



DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 991-6151 Fax: (505) 991-4720

DISTRICT II
611 S. First St., Artesia, NM 88210
Phone: (505) 426-1283 Fax: (505) 426-4720

DISTRICT III
1600 Rio Grande Road, Aztec, NM 87410
Phone: (505) 234-4175 Fax: (505) 234-4175

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-5400 Fax: (505) 476-1402

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

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

DIAMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code		Pool Name	
Property Code		Property Name STATE WISHBONE SWD		Well Number 1	
OGGRD No.		Operator Name COBRA OIL & GAS CORPORATION		Elevation 4503'	
Surface Location					
UL or Lot No.	Section	Township	Range	Lot No.	County
L	I	11-S	31-E		CHAVES
Bottom Hole Location If Different From Surface					
UL or Lot No.	Section	Township	Range	Lot No.	County
Dedicated Acres: Joint or Indiv. Consolidation Code Order No.					

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



GEODETIC COORDINATES
NAD 27 NME
SURFACE LOCATION
Y=870096.0 N
X=688408.7 E
LAT.=33.390673° N
LONG.=103.781584° W

GEODETIC COORDINATES
NAD 83 NME
SURFACE LOCATION
Y=870161.8 N
X=709506.2 E
LAT.=33.390779° N
LONG.=103.782096° W

OPERATOR CERTIFICATION
I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or possesses 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 owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

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.

DECEMBER 11, 2017

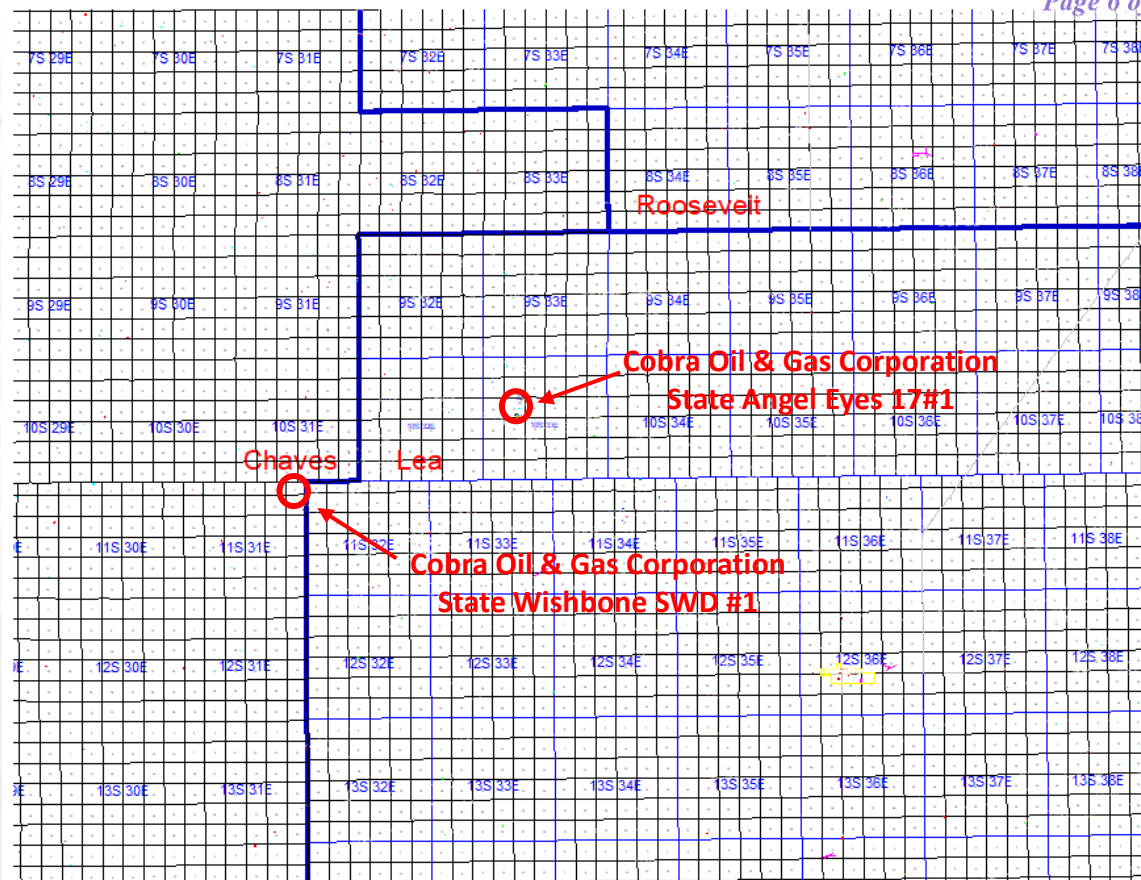
Date of Survey _____

Signature & Seal of Professional Surveyor _____

Certificate Number _____

ACK _____

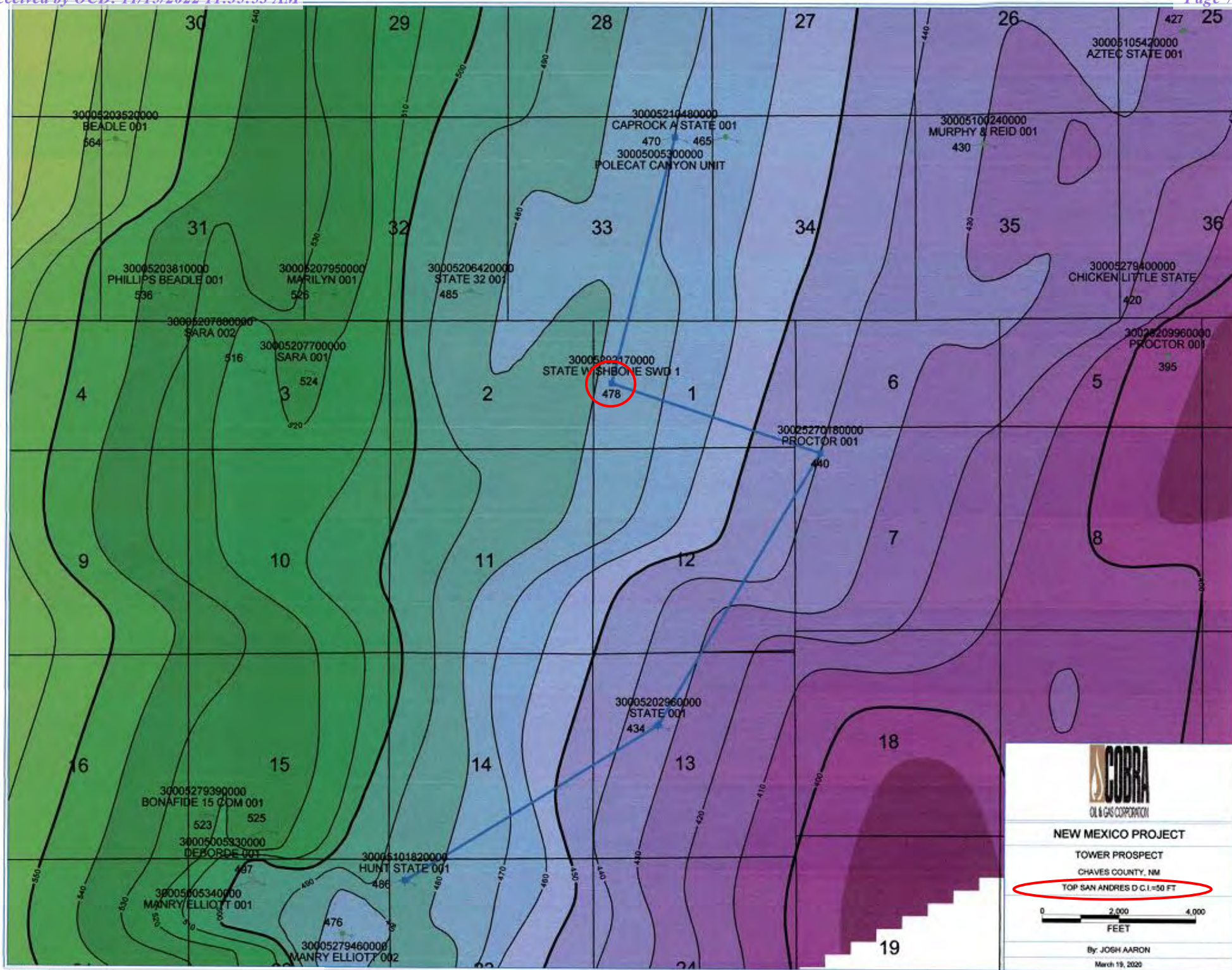
HWSC W.G. 17-1.1.143



Regional Location Map for
Cobra wells in Chaves and Lea Counties

Permit and Surveyors Plat







CHESAIL & GAS CORP
WYSHBONE STATE SWD # 1
CHAVES COUNTY, NEW MEXICO

FIELD: San Andres
API Serial No: 30-006-29217
LOCATION: 1672' FSL, 478' FWL
Section 1, R-31-E, T-11-S

FILE NAME: F375-201802
DATE: June 1, 2018
ANALYSIS: WH, JR, ND, FF

DEAN STARK EXTRACTION

SAMPLE NO.	DEPTH ft	GRAIN DENSITY	POR %	SATURATIONS		PERM mD	FLUORESCENCE		LITHOLOGY
				Sw	So		%		
1	4180.5	2.88	3.1	49.8	6.2	0.02840	60	DI yl-whit-bl	
2	4181.1	2.86	3.8	64.2	5.1	0.01340	60	Brit-dl yl-gld	
3	4182.7	2.89	3.6	57.3	6.2	0.01180	80	DI yl-dl gld	
4	4183.5	2.89	3.0	41.0	5.3	0.00320	70	DI yl-dl gld	
5	4184.3	2.87	3.0	55.5	6.3	0.00470	80	DI yl-dl gld	
6	4185.3	2.92	2.5	30.5	7.9	0.00160	80	Brit-dl yl-gld	
7	4186.9	2.90	2.0	53.7	7.5	0.14030	80	DI yl	
8	4187.5	2.88	2.6	53.9	8.8	0.00560	60	DI yl-dl gld	
9	4188.8	2.82	1.3	50.7	Tr	0.00160	60	DI yl-dl gld	
10	4189.2	2.86	3.9	44.5	9.5	0.00250	80	Brit-dl yl-whit-gld	
11	4190.4	2.87	2.8	58.6	5.8	0.00570	20	DI yl-whit-gld	
12	4191.3	2.91	2.8	59.2	6.8	0.02490	80	DI yl-dl bm	
13	4192.4	2.88	2.8	72.7	5.6	0.08250	80	DI yl-dl gld	
14	4193.2	2.89	3.4	65.9	5.9	0.00820	80	DI bm-dl gld	
15	4194.2	2.86	3.7	77.3	4.9	0.20290	90	DI bm-dl yl-gld	
16	4195.8	2.87	5.8	74.0	6.4	0.00370	80	DI bm	
17	4196.7	2.89	5.4	74.2	6.3	0.01970	80	DI bm	
18	4197.1	2.88	4.2	44.7	4.6	0.05700	90	Brit-dl yl-bm-gld	
19	4198.1	2.87	2.6	52.6	5.8	0.35550	80	Brit-dl yl-bm-gld	
20	4199.5	2.86	2.0	71.9	3.7	0.01400	80	Brit-dl yl-bm-gld	
21	4200.9	2.91	2.7	41.1	3.1	0.16910	80	Brit-dl yl-bm-gld	
22	4201.9	2.88	4.2	57.2	6.1	0.00730	80	DI bm	
23	4202.1	2.88	5.8	47.8	4.0	0.04040	60	DI bm	
24	4203.9	2.85	3.6	37.7	5.3	0.01140	60	Brit yl-whit-bm	
25	4204.6	2.86	2.4	37.6	9.4	0.01240	60	Brit yl-whit-bm	
26	4205.5	2.86	2.6	36.4	11.8	0.00350	40	Brit-dl yl-whit-gld	
27	4206.8	2.85	2.4	56.9	Tr	0.00490	60	DI bm-dl gld	
28	4207.8	2.87	5.5	38.5	5.7	0.17700	80	DI bm-dl gld	
29	4208.1	2.86	4.9	40.7	6.7	0.00660	80	DI bm-dl gld	
30	4209.1	2.89	5.5	20.3	32.7	2.29030	70	Brit-dl yl-whit-bl-gld	
31	4210.6	2.86	7.2	28.9	28.6	0.02040	40	Brit-dl yl-whit-bl-gld	
32	4211.2	2.86	13.9	16.3	35.6	6.04270	60	DI yl-whit-bm	
33	4212.7	2.85	18.2	20.9	40.2	13.19260	90	DI yl-bm	
34	4213.8	2.85	18.4	27.4	38.7	8.25290	80	DI bm	
35	4214.3	2.83	14.7	13.9	39.4	0.60830	80	Brit-dl yl-whit-gld	
36	4215.4	2.80	2.6	68.4	Tr	0.00780	40	Brit-dl yl-whit-gld	
37	4216.7	2.85	1.7	21.7	16.0	0.00850	40	Brit-dl yl-whit-gld	
38	4217.4	2.84	1.9	25.9	13.6	0.00820	80	DI bm	
39	4218.2	2.86	7.7	16.7	25.5	0.04110	90	Brit-dl yl-whit-bl-gld	



DEAN STARK EXTRACTION

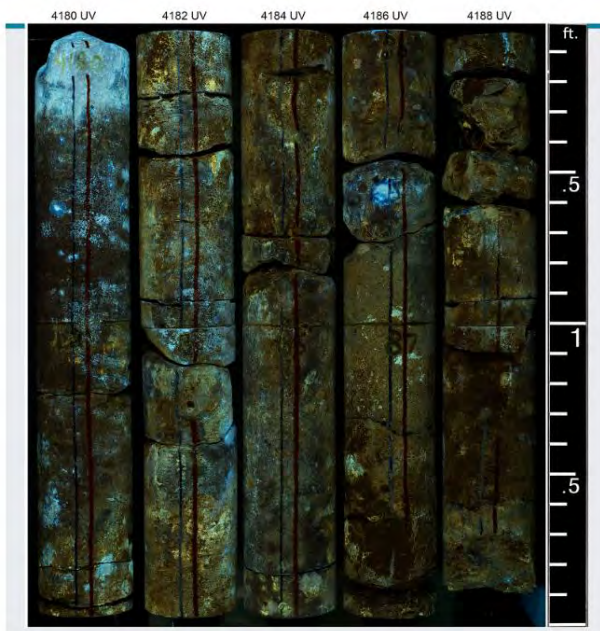
SAMPLE NO.	DEPTH ft	GRAIN DENSITY	POR %	SATURATIONS Sw	So	PERM mD	FLUORESCENCE %	LITHOLOGY
40	4219.9	2.87	11.6	24.6	31.7	0.61320	40	Brt-dl yl-wht-bl-gld
41	4220.4	2.87	8.8	34.8	26.1	0.00850	40	Brt-dl yl-wht-bl-gld
42	4221.0	2.87	6.1	58.8	5.9	0.02450	80	Dl yl-wht-bl
43	4222.5	2.86	2.2	63.6	5.3	0.00920	60	Dl yl-wht-bl
44	4223.5	2.87	2.3	72.1	9.8	0.01260	40	Brt-dl yl-wht-gld
45	4224.6	2.86	2.3	51.4	6.4	0.00780	30	Brt-dl yl-wht-gld
46	4225.8	2.86	4.7	62.4	12.3	0.01410	40	Dl yl-gld
47	4226.7	2.83	3.5	71.1	14.3	0.01960	Tr	Dl yl-gld
48	4227.4	2.89	6.1	46.8	20.6	0.02500	60	Brt-dl yl-wht-bl-gld
49	4228.9	2.84	3.9	49.7	21.9	tbfa	40	Brt-dl yl-wht-bl-gld
50	4229.1	2.85	2.9	78.9	10.3	0.90570	Tr	Brt-dl yl-wht-bl-gld
51	4230.1	2.87	6.9	19.9	40.5	0.03250	60	Brt-dl yl-wht-bl-gld
52	4231.7	2.85	11.8	9.8	45.3	1.48180	80	Brt-dl yl-wht-gld
53	4232.8	2.86	6.5	28.7	28.3	0.01160	80	Brt-dl yl-wht-gld
54	4233.5	2.86	11.7	15.2	32.5	0.21190	90	Brt-dl yl-wht-gld
55	4234.6	2.87	4.0	59.1	10.9	0.02120	20	Brt-dl yl-wht-gld
56	4235.7	2.87	5.9	27.7	32.7	0.01150	40	Brt-dl yl-wht-gld
57	4236.9	2.86	11.1	15.8	42.0	0.40620	90	Brt-dl yl-wht-gld
58	4237.5	2.85	4.1	67.2	12.1	0.01270	60	Dl yl-wht-bl-gld
59	4238.0	2.85	6.6	37.3	22.8	0.02520	40	Dl yl-wht-bl-gld
60	4239.7	2.87	6.9	14.4	39.5	0.04720	90	Brt-dl yl-wht-bl-gld
61	4240.6	2.86	8.0	30.0	32.9	5.00380	90	Dl yl-wht-gld
62	4241.8	2.85	5.9	37.8	24.1	0.06530	60	Dl yl-wht-bl-gld
63	4242.5	2.86	11.1	32.7	36.0	9.10960	60	Dl yl-wht-bl-gld
64	4243.0			tbfa				
65	4244.0	2.86	10.6	24.5	30.3	1.97570	80	Dl yl-dl bm
66	4245.0	2.87	8.1	23.8	39.9	tbfa	80	Dl yl-wht-bl-gld
67	4246.0			tbfa				
68	4247.0			tbfa				
69	4248.8	2.87	9.8	29.8	38.2	4.73670	60	Dl yl-wht-bl-gld
70	4249.7	2.86	4.1	62.2	12.9	0.01590	Tr	Dl yl-wht-gld
71	4250.6	2.86	7.5	65.9	7.4	0.02280	Tr	Dl yl-wht-gld
72	4251.3	2.87	7.9	37.5	31.9	2.60990	80	Brt-dl yl-wht-bl-gld
73	4252.4	2.80	7.6	45.0	34.6	1.56260	40	Brt-dl yl-wht-bl-gld
74	4253.1	2.86	6.8	30.6	34.5	1.38070	90	Brt-dl yl-wht-bl
75	4255.0	2.86	13.6	32.6	45.3	54.46580	80	Dl yl-wht-bl-gld
76	4255.9	2.86	5.7	30.9	24.0	0.03710	60	Brt-dl yl-wht-bl
77	4256.8	2.86	12.2	22.4	39.7	114.83090	60	Dl yl-dl bm
78	4257.8	2.86	15.0	27.7	36.3	74.40580	80	Dl yl-dl bm
79	4258.7	2.87	9.6	23.2	38.5	10.73330	80	Dl yl-brn-gld
80	4259.7	2.87	17.9	39.0	23.7	215.50740	80	Dl bm
81	4260.9	2.87	15.0	27.3	36.7	209.76260	70	Dl bm
82	4261.3	2.87	7.1	19.4	32.5	tbfa	80	Dl bm-dl gld
83	4262.2	2.87	13.1	20.4	36.2	180.72370	80	Dl bm
84	4263.5	2.88	7.6	16.2	37.0	3.66210	80	Brt-dl yl-wht-bl-gld
85	4264.6	2.87	16.6	19.7	42.5	247.15850	30	Brt-dl yl-wht-bl-gld



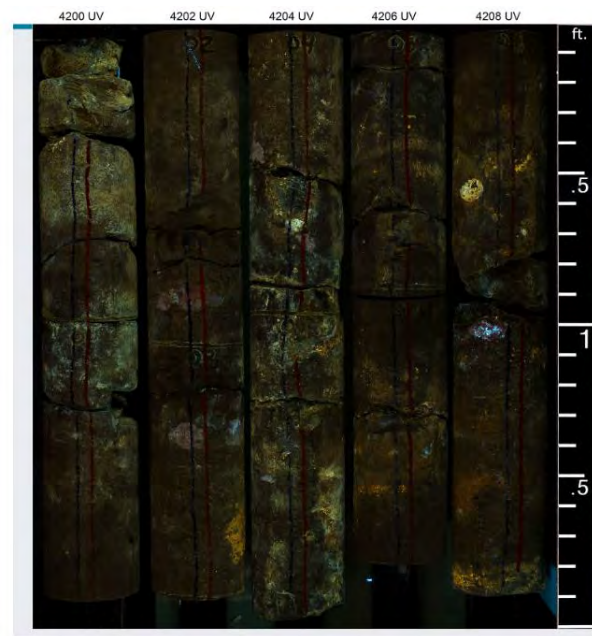
DEAN STARK EXTRACTION

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86	4265.3	2.87	8.9	15.4	36.0	0.61030	70	Brt-dl yl-wht-bl-gld
87	4266.2	2.87	9.7	16.4	34.6	25.98770	90	Brt-dl yl-wht-bl-gld
88	4267.5	2.87	9.9	15.3	33.9	192.20150	30	Brt-dl yl-wht-bl-gld
89	4268.2	2.86	12.1	21.6	32.7	970.56210	20	Brt-dl yl-wht-bl-gld
90	4269.2	2.83	18.6	40.0	39.9	702.01210	60	Dl bm
91	4270.5	2.84	5.9	38.9	26.8	0.01770	90	Dl brn-gld
92	4271.6	2.86	8.0	17.3	29.5	0.25490	60	Brt-dl yl-wht-bl-gld
93	4272.2	2.87	11.4	21.9	33.6	3.54090	90	Brt-dl yl-wht-bl-gld
94	4273.3	2.85	5.2	66.3	11.8	0.01890	20	Dl yl-wht-bl
95	4274.3	2.85	5.7	63.5	13.0	0.00760	30	Dl yl-wht-bl
96	4275.9	2.89	10.1	45.8	9.4	0.76040	30	Dl bm
97	4276.7	2.85	6.4	51.1	28.6	tbfa	60	Dl bm-dl yl-gld
98	4277.8	2.82	1.8	70.6	Tr	0.00450	Tr	Dl bm
99	4278.4	2.85	1.7	20.6	27.6	tbfa	40	Dl bm-dl yl
100	4279.0			tbfa				
101	4280.8	2.86	2.6	40.0	20.0	0.04270	Tr	Brt-dl yl-wht-bl
102	4281.5	2.87	2.1	23.1	21.8	0.51010	Tr	Brt-dl yl-wht-bl
103	4282.6	2.85	2.4	28.5	14.3	tbfa	30	Brt-dl yl-wht-bl
104	4283.0			tbfa				
105	4284.0			tbfa				

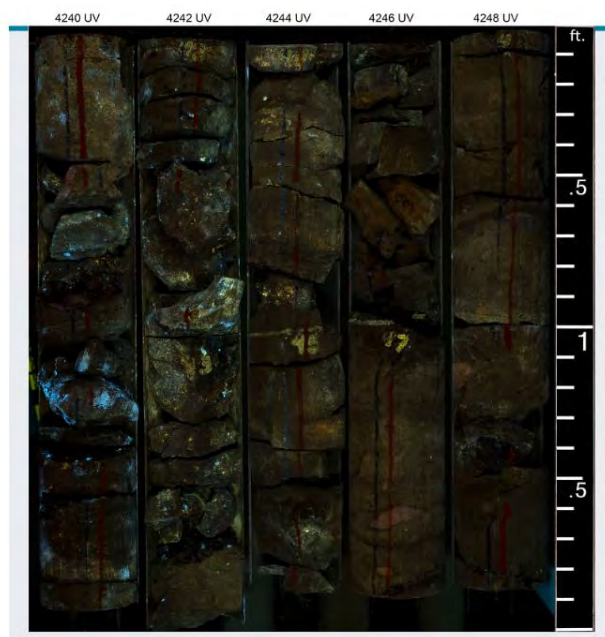




4180-90

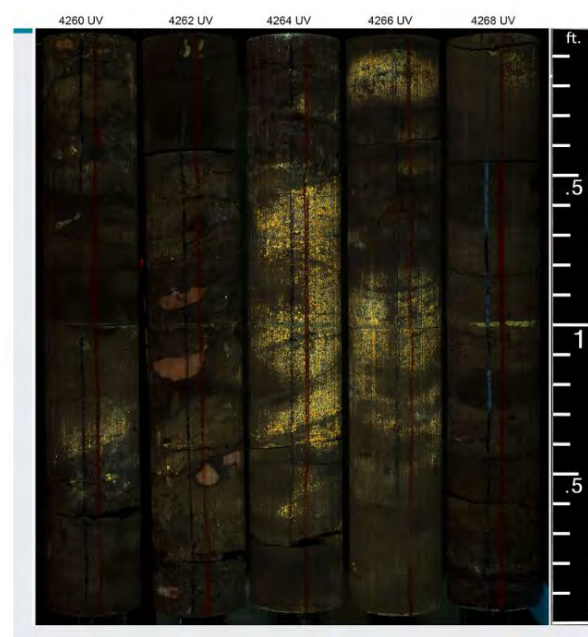


4200-10



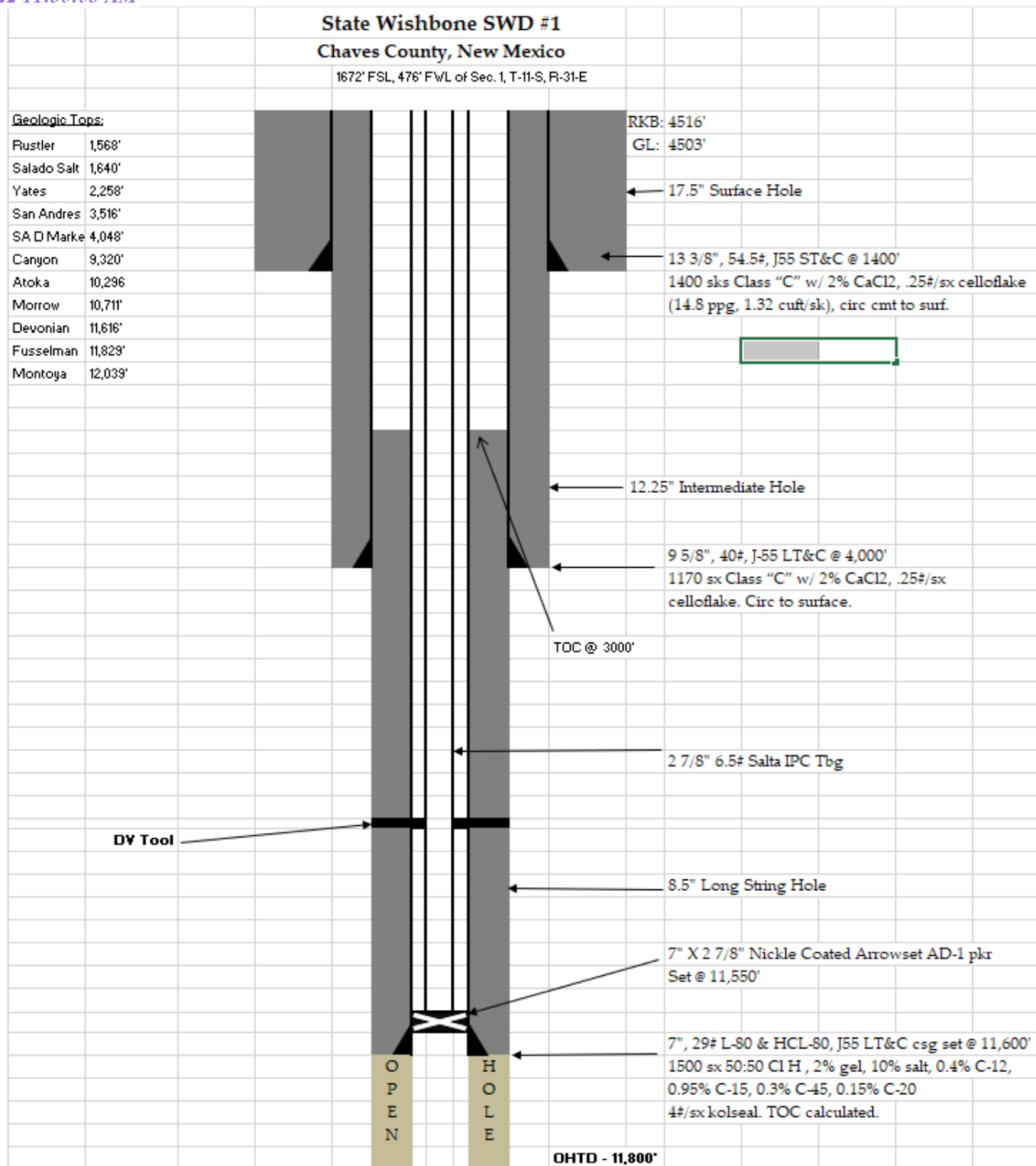
4240-50

Ultra-Violet Core Photos



4260-70





District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 158926

CONDITIONS

Operator: COBRA OIL & GAS CORPORATION P O BOX 8206 WICHITA FALLS, TX 76307	OGRID: 147404
	Action Number: 158926
	Action Type: [IM-SD] Well File Support Doc (ENG) (IM-AWF)

CONDITIONS

Created By	Condition	Condition Date
pgoetze	None	11/15/2022