

Additional Information

Received: 4/24/2026

From: [Goetze, Phillip, EMNRD](#)
To: [Doug, Delilah, EMNRD](#)
Subject: 1 of 5 Forwarded Blackbuck - Supplemental C-108 Information Submittal
Date: Tuesday, July 14, 2026 2:07:23 PM
Attachments: [Ballard SWD #1 - OCD Follow-up Submittal Package.pdf](#)
[Allegiance Federal SWD #1 - OCD Follow-up Submittal Package.pdf](#)
[Justice SWD #1 - OCD Follow-up Submittal Package.pdf](#)
[Resolve State SWD #1 - OCD Follow-up Submittal Package.pdf](#)
[Independence SWD #1 - OCD Follow-up Submittal Package.pdf](#)
[Republic SWD #1 - OCD Follow-up Submittal Package.pdf](#)

Multiple attachments. He has provided the application info below. PRG

From: Nate Alleman <nate.alleman@aceadvisors.com>
Sent: Friday, April 24, 2026 3:47 PM
To: Harris, Anthony, EMNRD <Anthony.Harris@emnrd.nm.gov>
Cc: Goetze, Phillip, EMNRD <phillip.goetze@emnrd.nm.gov>; Sandoval, Stacy, EMNRD <Stacy.Sandoval@emnrd.nm.gov>
Subject: [EXTERNAL] Blackbuck - Supplemental C-108 Information Submittal

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Tony,

Based on OCD's comments in recent Administrative Completeness Checklists, Blackbuck submits the attached supplemental information for the six (6) applications listed below. Each package includes a cover letter that describes what supplemental information is being submitted for each application and why.

- **Ballard SWD #1** (pSYS2605432926; SWD-2688)
- **Resolve State SWD #1** (pSYS2605434916; SWD-2689)
- **Allegiance Federal SWD #1** (pEG2528351636; SWD-2677)
- **Independence SWD #1** (pEG2528350873; SWD-2676)
- **Justice SWD #1** (pEG2528350098; SWD-2675)
- **Republic SWD #1** (pEG2528352412; SWD-2678)

Please let me know if you have any questions or need any additional information.

Thank You!

Nate Alleman
Regulatory Advisor
Ace Energy Advisors
C. 918.237.0559
E. nate.alleman@aceadvisors.com



April 24, 2026

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Subject: Blackbuck Resources, LLC; Justice SWD #1 (SWD-2675; pEG2528350098)
C-108 Supplemental Submittal

OCD Director,

The purpose of this letter is to submit supplemental information associated with Blackbuck Resources, LLC's (Blackbuck) C-108 application for the proposed Justice SWD #1 (SWD-2675; pEG2528350098). This information is being provided to address OCD's comments in a recent Administrative Completeness Checklist. A list of the updates to the application is included below.

- **Revise from Open-Hole to Cased-Hole:** Revised completion from Open-Hole to Cased-Hole and updated the liner depth and cement volumes in the Tabulated Casing Data and Wellbore Diagram (WBD) accordingly.
 - see **Attachment A** for Updated Tabulated Casing Data (p. 3) and Updated WBD (p. 5)
- **No Underlying USDW Statement:** Added a Statement to the Geology Data clarifying that "No USDWs were identified underlying the proposed injection interval."
 - See **Attachment A** for the Underlying USDW Statement (p.4)
- **Distance to Nearest Completed Horizontal Wellbore:** Evaluated the distance to the nearest Completed Horizontal Wellbore based on data from Enverus and created a map to confirm and demonstrate that the nearest Completed Horizontal Wellbore is greater than 330' from the Surface Hole Location of the proposed SWD.
 - See **Attachment B** for Horizontal Wellbore Proximity Map (p. 7)
- **Revised 1.0-mile Well List:** In the C-108's 1-Mile AOR Well List, API# 30-015-33431 was listed as having a total vertical depth (TVD) of 13,477', which would be deep enough to penetrate the top of the injection interval (12,660'). However, a review of OCD well records showed that 13,477' was the measured depth (MD) and the correct TVD is 12,350', which does not penetrate the top of the injection interval; therefore, a plugged WBD is not needed for this AOR well.
 - See **Attachment C** for the updated 1.0-mile Well List (p. 9) and supporting records (p.10-12).
- **Water Well Sampling Update:** Efforts to contact water well owners and collect water well samples are ongoing. Once the available water well samples have been collected, or attempts to contact the water well owners have been exhausted, an updated water well sampling table and the associated analytical lab results will be submitted to OCD.

Questions regarding the included materials can be directed to Nate Alleman (Blackbuck Regulator Advisor Contractor) via telephone at 918-237-0559 or via email at nate.alleman@aceadvisors.com.

Sincerely,

A handwritten signature in black ink that reads "Nathan Alleman".

Nate Alleman
Chief Regulatory Advisor
Ace Energy Advisors

Attachment A

Proposed SWD Data and Wellbore Diagram

Well Data**Operator** - Blackbuck New Mexico LLC**Lease/Well Name & Number** - Justice SWD #1**Legal Location** - 226' FNL & 1,158' FEL - Unit A – Section 27 R25S T26E – Eddy County**Coordinates** - 32.107441,-104.275712**Casing Data**

Casing String	Hole Size (in)	Casing Size (in)	Casing Depth (ft)	Sacks Cement (sx)	Top of Cement (ft)	Method Determined
Surface	26"	20"	250'	438	Surface	Circulation
1 st Intermediate	17-1/2"	13-3/8"	1,785'	1,007	Surface	Circulation
2 nd Intermediate	12-1/4"	9-5/8"	10,574'	2,647	Surface	Circulation
Liner	8-3/4"	7-5/8"	9,570' - 14,036'	328	9,570'	Calculation - circulate to top of liner

Tubing: 7" x 5-1/2" fiberglass-coated tubing set at 12,640'**Packer:** Baker SC-2 or equivalent set at 12,640'**Geology Data****Injection Formation Name** - Devonian-Silurian**Pool Name** - SWD; Devonian-Silurian**Pool Code** – 97869**Injection Interval** - Cased-hole injection between 12,660' - 14,036'**Drilling Purpose** - New drill for injection**Other Perforated Intervals:** No other perforated intervals exist.**Overlying Oil and Gas Zones:**

- Delaware (1,812')
- Bone Spring (5,266')
- Wolfcamp (8,489')

Overlying Oil and Gas Zones:

- None

Geologic Description of Injection Interval:**Proposed Injection Interval**

The proposed injection interval, at depths of 12,660 ft – 14,036 ft, includes the Devonian and Silurian formations is a package of carbonates consisting of predominantly of dolomite with limestone and interbedded cherts. Dolomitic and limestone porosities are expected to range from 0% to 7% with higher skeletal cherts ranging greater than 7% due to secondary porosity in the form of vugs and fractures from weathering effects and compaction. Permeabilities in the 2-7% porosity dolomitic grainstones intervals are estimated to be in the 2-20 millidarcy range, with higher porosity intervals estimated to be in the 40-100 millidarcy range. The cased hole injection interval is expected to be within the majority of the higher permeability intervals.

Overlying Confinement

Overlying Confinement is provided by approximately 120 cumulative feet of low-permeability limestone and shale of the Mississippian Limestone and Woodford Shale that will act as barrier to fluid flow and prevent upward migration of injectate into overlying formations. With the top of the proposed injection interval at 12,660 ft, there is expected to be approximately 12,621 ft of vertical separation between the injected fluids and the base of the lowermost USDW, including the 120 ft thick permeability barrier immediately overlying the injection interval. In addition to the geologic isolation, the freshwater resources will be further isolated and protected by surface casing that will be set at approximately 250 ft (≈50 ft below the deepest freshwater-bearing strata in the area) and cemented to surface.

Underlying Confinement

Underlying Confinement is provided by approximately 521 cumulative feet of low-permeability carbonates of the Silurian-aged Montoya formation. The proposed well will TD approximately 47 ft above the top of the Ordovician Montoya and will not inject fluids into the Montoya itself in order to provide sufficient barrier to avoid injection into the Middle Ordovician Simpson, the Lower Ordovician Ellenburger, or the Cambrian and the Precambrian below. The Precambrian structure contours show the basement to be at a depth of approximately 15,404 ft in this area. Therefore, the injection zone lies approximately 1,368 ft above the Precambrian basement.

Groundwater

Although a true Underground Source of Drinking Water (USDW) isn't known to exist in the area of the proposed SWD, domestic and livestock water well data indicate the deepest fresh water-bearing strata in the area occurs at depths of less than 200 ft. With the top of the proposed injection interval at 12,660 ft, there is expected to be approximately 12,460 ft of vertical separation between the injected fluid and the deepest fresh water-bearing strata, including the 120 ft thick permeability barrier immediately overlying the injection interval. In addition to the geologic isolation, the fresh water resources will be further isolated and protected by surface casing that will be set at approximately 250 ft (approximately 50 ft below the deepest known fresh water-bearing strata) and cemented to surface.

No USDWs were identified underlying the proposed injection interval.

Operational Data

Proposed Maximum Injection Rate: 40,000 BWPD

Proposed Average Injection Rate: 30,000 BWPD

Proposed Maximum Injection Pressure: 2,532 psi (surface)

Proposed Average Injection Pressure: 2,000 psi (surface)

Prepared By:



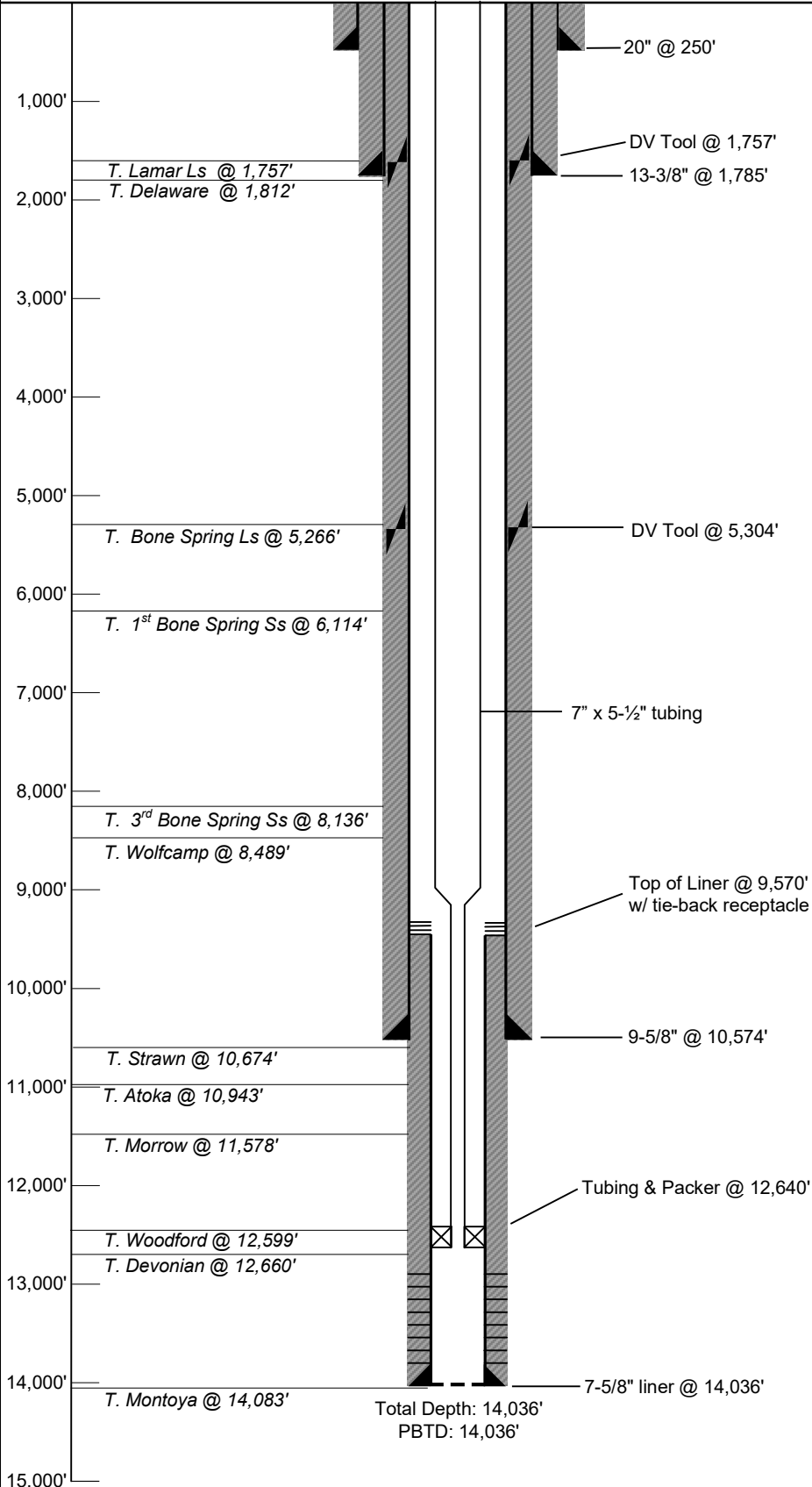
Justice SWD #1

Proposed Wellbore Diagram

Prepared For:



Estimated Formation Depth Picks

**Surface Casing**

Casing Size: 20 in
Casing Type: 94 lb/ft J-55
Casing Depth: 250 ft
Hole Size: 26 in
Top of Cement: Surface
Sks Cement: 438 sx
Cement Type: Class C

1st Intermediate Casing

Casing Size: 13-3/8 in
Casing Type: 61 lb/ft J-55 BTC
Casing Depth: 1,785 ft
Hole Size: 17-1/2 in
Top of Cement: Surface
Sks Cement: 1,007 sx
Cement Type: Class C

2nd Intermediate Casing

Casing Size: 9-5/8 in
Casing Type: 53.5 lb/ft P110
Casing Depth: 10,574 ft
Hole Size: 12-1/4 in
Top of Cement: Surface
Sks Cement: 2,647 in 3 stages
Cement Type: Class C

Liner

Casing Size: 7-5/8 in
Casing Type: 29.7 lb/ft HCL-80
Casing Depth: 9,570 ft – 14,036 ft
Hole Size: 8-3/4 in
Top of Cement: 9,570 ft
Sks Cement: 328 sx
Cement Type: Class C

Injection Tubing & Packer

Tubing Size: 7" x 5 1/2 in
Tubing Type: 29# x 15.5# fiberglass lined
Tubing Depth: 12,640 ft
Packer Type: Baker SC-2 or equivalent
Packer Depth: 12,640 ft

Injection Interval

Formation(s): Devonian-Silurian
Top: 12,660 ft
Bottom: 14,036 ft
Hole size: 7-5/8 in
Cased or Open-Hole: Cased-Hole

Notes:

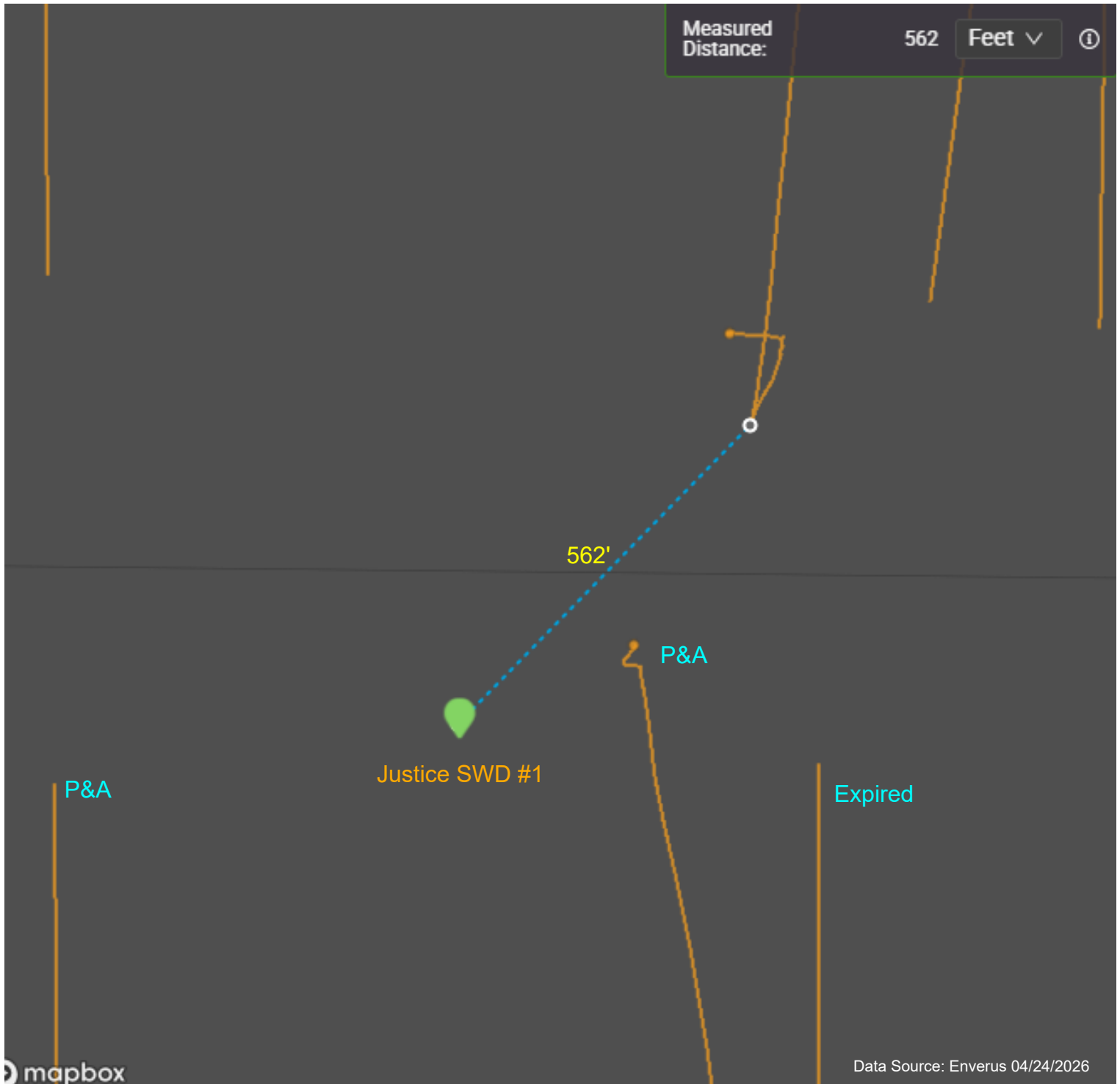
- Listed depths are measured from ground surface.
- Depths and cement volumes are estimates based on evaluation of the available information.

NOT TO SCALE

Attachment B

Horizontal Wellbore Proximity Evaluation

Justice SWD #1 - Distance to Adjacent Horizontal Wellbores



Attachment C 1.0-mile Well List

1-mile Well List (Top of Injection Interval: 12,660')								
Well Name	API#	Well Type	Operator	Status	Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth (feet)	Penetrate Inj. Zone?
PRE-ONGARD WELL #001	30-015-00416	Oil	PRE-ONGARD WELL OPERATOR	Plugged	11/7/1958	M-26-25S-26E	2,110	No
PRE-ONGARD WELL #001	30-015-25276	Oil	PRE-ONGARD WELL OPERATOR	Plugged	8/31/1985	N-22-25S-26E	3,600	No
PRE-ONGARD WELL #002	30-015-25535	Oil	PRE-ONGARD WELL OPERATOR	Plugged	1/11/1986	I-22-25S-26E	2,700	No
CABLE 26 #001	30-015-28532	Oil	CHEVRON U S A INC	Plugged	6/13/1995	D-26-25S-26E	5,613	No
CABLE 26 #002	30-015-29474	Oil	CHEVRON U S A INC	Plugged	4/18/1997	B-26-25S-26E	3,200	No
GOLDENEYE 26 FEDERAL COM #001C	30-015-32872	Gas	CIMAREX ENERGY CO. OF COLORADO**	Cancelled	N/A	K-26-25S-26E	0	No
CHOSA DRAW 27 FEDERAL COM #001	30-015-32918	Gas	CIMAREX ENERGY CO. OF COLORADO**	Active	8/19/2003	B-27-25S-26E	12,020	No
PINTAIL 23 FEDERAL COM #001	30-015-33431	Gas	CIMAREX ENERGY CO. OF COLORADO**	Plugged	5/25/2005	E-23-25S-26E	12,350	No
WIGEON 23 FEDERAL COM #001	30-015-33563	Gas	CIMAREX ENERGY CO. OF COLORADO**	Plugged	9/14/2004	J-23-25S-26E	12,300	No
GOLDENEYE 26 FEDERAL COM #002	30-015-33627	Gas	CIMAREX ENERGY CO. OF COLORADO**	Plugged	10/23/2004	C-26-25S-26E	12,480	No
GOLDENEYE 26 FEDERAL COM #001K	30-015-34332	Gas	CIMAREX ENERGY CO. OF COLORADO**	Cancelled	N/A	K-26-25S-26E	0	No
PINTAIL 23 FEDERAL COM #002	30-015-35757	Gas	CIMAREX ENERGY CO. OF COLORADO**	Plugged	10/16/2007	M-23-25S-26E	2,980	No
PINTAIL 23 FEDERAL #003	30-015-36335	Oil	CIMAREX ENERGY CO. OF COLORADO**	Plugged	8/7/2008	F-23-25S-26E	4,850	No
CHOSA DRAW 27 FEDERAL COM #002	30-015-36453	Oil	CIMAREX ENERGY CO. OF COLORADO**	Plugged	9/3/2008	A-27-25S-26E	2,930	No
COTTONWOOD DRAW 22 FEDERAL COM #001	30-015-36592	Gas	CIMAREX ENERGY CO. OF COLORADO**	Active	9/19/2008	P-22-25S-26E	9,450	No
PINTAIL 23 FEDERAL #004	30-015-36717	Oil	CIMAREX ENERGY CO. OF COLORADO**	Plugged	6/20/2009	K-23-25S-26E	5,200	No
COTTONWOOD DRAW 22 FEDERAL #002	30-015-36757	Oil	CIMAREX ENERGY CO. OF COLORADO**	Plugged	11/27/2008	I-22-25S-26E	4,904	No
PINTAIL 23 FEDERAL COM #005	30-015-36878	Oil	CIMAREX ENERGY CO. OF COLORADO**	Plugged	1/21/2009	E-23-25S-26E	416	No
GOLDENEYE 26 FEDERAL COM #003	30-015-36933	Oil	CIMAREX ENERGY CO. OF COLORADO**	Expired	N/A	M-26-25S-26E	0	No
PINTAIL 23 FEDERAL COM #005Y	30-015-37097	Oil	CIMAREX ENERGY CO. OF COLORADO**	Plugged	6/1/2009	E-23-25S-26E	3,024	No
CHOSA DRAW 27 FEDERAL COM #003	30-015-37180	Gas	CIMAREX ENERGY CO. OF COLORADO**	Plugged	4/1/2011	I-27-25S-26E	9,506	No
CHOSA DRAW 27 FEDERAL COM #004	30-015-37181	Oil	CIMAREX ENERGY CO. OF COLORADO**	Plugged	3/4/2011	O-27-25S-26E	3,400	No
WIGEON 23 FEDERAL #003	30-015-37303	Oil	CIMAREX ENERGY CO. OF COLORADO**	Plugged	11/12/2009	G-23-25S-26E	3,400	No
COTTONWOOD 22 FEDERAL #003	30-015-37311	Oil	CIMAREX ENERGY CO. OF COLORADO**	Plugged	10/24/2010	A-22-25S-26E	4,948	No
COTTONWOOD DRAW 22 FEDERAL #004H	30-015-37430	Oil	CIMAREX ENERGY CO. OF COLORADO**	Expired	N/A	J-22-25S-26E	0	No
COTTONWOOD DRAW 22 FEDERAL COM #005H	30-015-37431	Oil	CIMAREX ENERGY CO. OF COLORADO**	Plugged	12/15/2009	A-22-25S-26E	6,081	No
GOLDENEYE 26 FEDERAL COM #001	30-015-38098	Gas	CIMAREX ENERGY CO. OF COLORADO**	Cancelled	N/A	K-26-25S-26E	0	No
PINTAIL 23 FEDERAL COM #008H	30-015-38657	Oil	CIMAREX ENERGY CO. OF COLORADO**	Active	8/8/2011	M-23-25S-26E	7,700	No
CHOSA DRAW 27 FEDERAL COM #007E	30-015-39290	Gas	CIMAREX ENERGY CO. OF COLORADO**	Cancelled	N/A	H-27-25S-26E	0	No
COTTONWOOD DRAW 22 FEDERAL COM #007E	30-015-39378	Gas	CIMAREX ENERGY CO. OF COLORADO**	Cancelled	N/A	H-22-25S-26E	0	No
COTTONWOOD DRAW 22 FEDERAL COM #008E	30-015-39379	Gas	CIMAREX ENERGY CO. OF COLORADO**	Cancelled	N/A	A-22-25S-26E	0	No
CHOSA DRAW 27 FEDERAL #005	30-015-39389	Gas	CIMAREX ENERGY CO. OF COLORADO**	Cancelled	N/A	P-27-25S-26E	0	No
COTTONWOOD DRAW 22 FEDERAL COM #012H	30-015-39890	Oil	CIMAREX ENERGY CO. OF COLORADO**	Active	2/29/2012	P-22-25S-26E	7,707	No
COTTONWOOD DRAW 22 FEDERAL #006	30-015-40052	Gas	CIMAREX ENERGY CO. OF COLORADO**	New	N/A	I-22-25S-26E	0	No
PINTAIL 23 FEDERAL COM #009H	30-015-40297	Gas	CIMAREX ENERGY CO. OF COLORADO**	New	N/A	M-23-25S-26E	0	No
PINTAIL 23 FEDERAL #007H	30-015-40337	Oil	CIMAREX ENERGY CO. OF COLORADO**	New	N/A	F-23-25S-26E	0	No
SWITCH 28 33 FEDERAL COM #001H	30-015-41635	Gas	CIMAREX ENERGY CO. OF COLORADO**	Expired	N/A	A-28-25S-26E	0	No
BEARD SWD #001	30-015-45354	SWD	DELAWARE ENERGY, LLC	Cancelled	N/A	D-26-25S-26E	0	No

Notes:

- No wells penetrate the injection interval within the AOR.

- ** Operator of active, drilled well within AOR and will receive notification of this application.

- The original application mistakenly used the measured depth in this table for the Pintail 23 Federal Com #1 which made it appear to be a penetrating well. The correct TVD is 12,350" and it does not penetrate.

Horizontal Well w/ Surface Location Outside the 1.0-mile AOR						
Well Name	API#	Well Type	Operator	Field	Status	Depth
COTTONWOOD DRAW 22 FEDERAL 009H	30-015-38656	Oil	CIMAREX ENERGY CO. OF COLORADO**	BONE SPRING, WILDCAT	Expired	0
ORACLE 21 FEDERAL 006	30-015-39140	Gas	CIMAREX ENERGY CO. OF COLORADO**	WOLFCAMP, EAST (G) SAGE DRAW	Cancelled	0
WIGEON 23 FEDERAL COM 005H	30-015-43157	Oil	COTERRA ENERGY OPERATING CO.**	BONE SPRING, WILDCAT G-04 S252623M	Expired	0
PINTAIL 23 26 FEDERAL COM 011C	30-015-43744	Oil	COTERRA ENERGY OPERATING CO.**	BONE SPRING, WILDCAT G-04 S252623M	Cancelled	0
PINTAIL 23 26 FEDERAL COM 010H	30-015-43773	Gas	CIMAREX ENERGY CO. OF COLORADO**	WOLFCAMP GAS, PURPLE SAGE	Active	8,951
HAYDUKE 34 27 FEDERAL COM 005H	30-015-43794	Oil	COTERRA ENERGY OPERATING CO.**	BONE SPRING, WILDCAT-015 G-03 S252636M	Expired	0
HAYDUKE 34 27 FEDERAL COM 006C	30-015-43795	Oil	COTERRA ENERGY OPERATING CO.**	BONE SPRING, WILDCAT-015 G-03 S252636M	Cancelled	0
WIGEON 23 26 FEDERAL COM 003H	30-015-55893	Oil	COTERRA ENERGY OPERATING CO.**	BONE SPRING, COTTONWOOD DRAW	DUC	7,205
WIGEON 23 26 FEDERAL COM 005H	30-015-55915	Oil	COTERRA ENERGY OPERATING CO.**	BONE SPRING, COTTONWOOD DRAW	Active	7,234
WIGEON 23 35 FEDERAL COM 006H	30-015-56148	Oil	CIMAREX ENERGY CO. OF COLORADO**	BONE SPRING, COTTONWOOD DRAW	DUC	7,720
WIGEON 23 35 FEDERAL COM 007H	30-015-56149	Oil	CIMAREX ENERGY CO. OF COLORADO**	BONE SPRING, COTTONWOOD DRAW	DUC	7,719

Notes:

- ** Operator of active, drilled well within AOR and will receive notification of this application.

Penetrating Well Casing and Cement Details									
API#	Type	Hole	Size	Depth	Sacks	TOC	Method	Problem	
Notes:									
- There are no penetrating wells in the AOR.									

Form 3160-4
(October 1990)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other In-
structions on
reverse side)FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL ☐	GAS WELL ☐	DRY ☒	Other ☐
b. TYPE OF COMPLETION:		NEW WELL ☐	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐
		DIFF. RENVR. ☐	Other ☐ Plug and Abandon		
2. NAME OF OPERATOR Cimarex Energy Co. of Colorado					
3. ADDRESS AND TELEPHONE NO. P O Box 140907 Irving Tx. 75014-0907					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1340' FNL & 990' FWL At top prod. interval reported below 1340' FNL & 990' FWL At total depth 1340' FNL & 990' FWL					
14. PERMIT NO.			DATE ISSUED		
15. DATE SPUDDED 05-26-05		16. DATE T.D. REACHED 06-19-05		17. DATE COMPL. (Ready to prod.) 3330' GR	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*		19. ELEV. CASINGHEAD			
20. TOTAL DEPTH, MD & TVD 12350'		21. PLUG, BACK T.D., MD & TVD 60'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY		ROTARY TOOLS		CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*		25. WAS DIRECTIONAL SURVEY MADE		Yes	
26. TYPE ELECTRIC AND OTHER LOGS RUN DSN, DLL, CBL		27. WAS WELL CORED		No	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13-3/8" J-55	54.5 #	216'	17-1/2"	250 sx circ 62 sx	
9-5/8" J-55/P-110	40 #	3431'	12 1/4"	1100 sx circ 150 sx	
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
31. PERFORATION RECORD (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
33.* PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in)
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)			TEST WITNESSED BY		
35. LIST OF ATTACHMENTS Dry Hole - Prep to plug					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <u>Natalie Krueger</u>		TITLE <u>Reg Analyst 1</u>		DATE <u>12-19-06</u>	

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

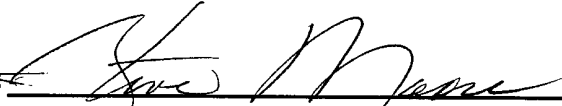
OPERATOR Magnum Hunter Resources dba Gruy Petroleum
 WELL/LEASE Pintail 23 Fed Com 1
 COUNTY Eddy, NM

080-0033

STATE OF NEW MEXICO
 DEVIATION REPORT

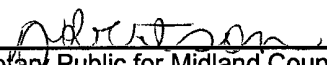
214	1
586	1
1,080	1/2
1,363	1 1/2
1,673	3 1/2
1,830	2 3/4
2,273	1 1/2
2,526	1
3,001	3/4
3,383	1 1/4
3,850	1/2
4,294	1/2
4,792	1
5,292	1
5,816	1
6,167	1 3/4
6,500	1/2
6,999	2
7,418	3
7,545	3
7,672	1 1/2
8,148	1/2
8,367	1/2
8,907	1/2
9,611	1
10,046	2 1/2
10,172	2 1/2
10,298	1 1/2
10,797	1/2
11,287	1/2
11,688	1
12,035	1/2
12,310	1/2

JUL 13 2005
 MAILROOM

BY: 

STATE OF TEXAS
 COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on July 8, 2005, by Steve Moore on behalf of Patterson - UTI Drilling Company, LP, LLLP.


 Notary Public for Midland County, Texas
 My Commission Expires: 8/23/07

J ROBERTSON
 Notary Public, State of Texas
 My Commission Expires:
 August 23, 2007

Form 3160-4
(April 2004)

JAN 05 2009

OCD-ARTESIA

OCD-ARTESIA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
ConfidentialFORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
 b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
 Other Re-enter and test horizontal Cisco canyon

2. Name of Operator
Cimarex Energy Co. of Colorado3. Address
PO Box 140907; Irving, TX 750143a. Phone No. (include area code)
972-443-6489

4. Location of Well (Report Location clearly and in accordance with Federal requirements)*

At surface 1340' FNL & 990' FWL

At top prod. interval reported below 1422' FNL & 937' FWL

At total depth 806' FNL & 1385' FWL

CONFIDENTIAL14. Date Spudded
05.26.0515. Date T.D. Reached
09.10.0816. Date Completed 10.18.08
☐ D & A ☒ Ready to Prod.17. Elevations (DF, RKB, RT, GL)*
3291' GL18. Total Depth: TVD 10544'
TMD 13,477'19. Plug Back TD: TVD 10544'
TMD 13,394'20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2"	13 3/8" J-55	54.5#	0'	216'		250 sx prem Plus		0'	
12 1/4"	9 5/8" J55/p110	40#	0'	3431'		1100 sx Interfill C		0'	
8 3/4"	7" P-110	26#	0'	10754'		805 sx intr/prem H		0'	
6 1/8"	4 1/2" P-110	11.6#	10249'	13475'		400 sx POZ		10249'	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	10212'	10190'	2 3/8" X 2 7/8"					

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Cisco Canyon	10,316'	10,632'	13146'-13350'	0.43	96	Producing
B) Cisco Canyon	10,316'	10,632'	12600'-12984'	0.43	96	Producing
C) Cisco Canyon	10,316'	10,632'	11940'-12364'	0.43	96	Producing
D) Cisco Canyon	10,316'	10,632'	11440'-11714'	0.43	96	Producing
E) Cisco Canyon	10,316'	10,632'	10944'-11290'	0.43	96	Producing

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
13146'-13350'	Acid with 1000 gals of 15% NEFE, Frac with 447804 gals of slick water, 4500# 100 mesh white sand and 59137# of 30/50 white sand
12600'-12984'	Acid with 1000 gals of 15% NEFE, Frac with 562716 gals of slick water, 4650# 100 mesh white sand and 80161# of 30/50 white sand
11940'-12364'	Acid with 1000 gals of 15% NEFE, Frac with 679560 gals of slick water, 4286# 100 mesh white sand and 88956# of 30/50 white sand
11440'-11714'	Acid with 1000 gals of 15% NEFE, Frac with 453810 gals of slick water, 3950# 100 mesh white sand and 65872# of 30/50 white sand
10944'-11290'	Acid with 1000 gals of 15% NEFE, Frac with 548310 gals of slick water, 4250# 100 mesh white sand and 85160# of 30/50 white sand

28. Production - Interval A -

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	Well Status
10.05.08	10.20.08	24	→	0	1674	571		1.007	Flowing	
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio			
22/64	SI 1060	0	→	0	1674	571			Producing	

28. Production - Interval B -

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	Well Status
			→							
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio			
			→							

Accepted for record - NMOCB

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 605782

CONDITIONS

Operator: NEW MEXICO ENERGY MINERALS & NATURAL RESOURCE 1220 S St Francis Dr Santa Fe , NM 87504	OGRID: 264235
	Action Number: 605782
	Action Type: [IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

CONDITIONS

Created By	Condition	Condition Date
delilah.dougi	None	7/17/2026