

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 Road, Aztec, NM 87410
Phone (505) 334-6178 Fax (505) 334-6170
District IV
1220 S St Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax (505) 476-3462

State of New Mexico

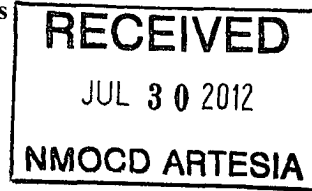
Form C-101
Revised December 16, 2011

Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505



Permit

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Sabre Operating, Inc. P O Box 4848 Wichita Falls, TX 86445		² OGRID Number 026460
		³ API Number 30-015-23449
⁴ Property Code 16550 15650	⁵ Property Name Empire 35 Fed Com 1	⁶ Well No. 1

⁷ Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
K	35	18S	29E		1980'	S Line	1980	W Line	Eddy

⁸ Pool Information

Wolfcamp	Turkey Track; WC*	61420
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Additional Well Information

⁹ Work Type P	¹⁰ Well Type G *	¹¹ Cable/Rotary	¹² Lease Type P	¹³ Ground Level Elevation 3423.5
¹⁴ Multiple No	¹⁵ Proposed Depth 9485' Plug Back	¹⁶ Formation Wolfcamp	¹⁷ Contractor	¹⁸ Spud Date 11-1-80
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

¹⁹ Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Existing						

Casing/Cement Program: Additional Comments

This is a recompletion. The well will be plugged back with a CIBP set @ 9485'

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Manual Ram	3000 psi	3000 psi	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOC D guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> . *No pit will be used.*		OIL CONSERVATION DIVISION	
Signature		Approved By	
Printed name Mike LaMascuso		Title	
Title Project Engineer		Expiration Date 7/30/2014	
E-mail Address mike@basinengineering.com		* If well is completed as a gas well, a	
Date: 7/23/12	Phone: 405-228-0808	wc pool will be established	

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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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015--23449		² Pool Code 61420		³ Pool Name Turkey Track; Wolfcamp	
⁴ Property Code 16550 15650		⁵ Property Name Empire 35 Fed Com 1			⁶ Well Number 1
⁷ OGRID No. 026460		⁸ Operator Name Sabre Operating, Inc.			⁹ Elevation 3423.5'

¹⁰ Surface Location

UL or lot no. K	Section 35	Township 18S	Range 29E	Lot Idn	Feet from the 1980'	North/South line S Line	Feet from the 1980'	East/West line W line	County Eddy
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 320		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ 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.

	<p>¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division</p> <p><u>Mike LaMascus</u> 7/23/12 Signature Date</p> <p>Mike LaMascus Printed Name</p> <p>mike@basinengineering.com E-mail Address</p>
	<p>¹⁸ 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</p> <p>on file Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p>
	<p>Certificate Number</p>

~~12-1-172014~~ 1
7-25-12

Field: Turkey Track (Atoka) Lse#
 county Eddy Survey:
 Spud Date 11/1/1980 Formation FORM: ATOKA Current
 Elevation -KB Current PERF: 10,757-10,778
 Elevation -GL CASING 4.5, TUB 2 3/8

Tubing Detail	I.D.	O.D.	Grade	Thrd.	WT/FT	Length	Depth
SET BELOW ZERO						10.00	
500 JTS OF 2 3/8 TUBING	310	J+				10009.83	9149'
1-2 3/8 S.N.						1.10	
1-2.00 PERE SUB			Arrowset PKR@			3.00	
1-2.00 SUB						2.00	
TOTAL						10005.00	EOT 9160'

Rod Detail	O.D.	Grade	Thrd	WT/FT	Length	Depth

Remarks

X X ← Arrow Set Pkr @ 9159'

≠ Perf Wolcamp 9260' - 9284'

← GIBF @ 9485' w/ 2x cmt on top

○ 10,757-63; 4holes 2/6/1981 Reperforate same, just 1 sp/ft.=8 holes 2-08-1981

10,770-778; 5 holes	2/6/1981	Reperforate same, just 1 sp/ft.=9 holes 2-08-1981
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← 2-05-1981 set cement retainer at 11150' squeeze w/100sx of cl-H to 6800#

③ ← 11211-11217;11235-45;11266-76 zone flowed from 100mcf to 25 mcfpd, making little water

③ ← 11296-304; 11326-336 they shut in at 30 psia; 24hr bup=1090#, 4days 1750, 9days=1910#

1-10-81 set cement retainer at 11,375' pump 150sx, squeeze to 6500#

1-07-81 set ret. Bridge plug at 11,391' pumped 750 gal acid, 7 1/2 %, swab 25 bw over acid job. Poohw/pkr&plug

⑤ ←—— Perf. 11384-11424

1-06-81, zoned swabbed 65bw in 7 hrs, making 50 mcfpd

Morrow form

Morrow form
Pbtd 11,754'

TD-11,791

Tubing and Casing Performance and Capacities

Size	Tensile	Burst	Collap.	I.D.	Drift	BBL/FT	FT.bbl	C/ft
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Empire 35-1