

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

5. Lease Serial No.
NMNM118324

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
Black Eagle Federal, Well #1

9. AFI Well No.
30 015 35126

10. Field and Pool, or Exploratory
Malaga; Morrow, West (Gas)

11. Sec., T., R., M., on Block and
Survey or Area Sec 17, T14S, R28E

12. County or Parish
Eddy

13. State
NM

17. Elevations (DF, RKB, RT, GL)*
3072'

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other

b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr,

Other _____

2. Name of Operator **OGX Resources, LLC**

3. Address **Box 1064, Midland, TX 79702**

3a. Phone No. (include area code)
432 684-6381

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

At surface **840 FSL & 1500 FWL**

At top prod. interval reported below **same**

At total depth **same**

AUG 07 2007
OCD-ARTESIA

14. Date Spudded
11/12/2006

15. Date T.D. Reached
01/02/2007

16. Date Completed
☐ D & A ☒ Ready to Prod.

18. Total Depth: MD **12,818'**
TVD

19. Plug Back T.D. MD
TVD

20. Depth Bridge Plug Set: MD
TVD

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

GR/Dual Laterlog

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"	48# H-40	0	525'		990 sx C,H		surface	none
12 1/4"	9 5/8"	36# 40#	0	2106'		900 sx C		surface	none
8 3/4"	7"	26#	0	9500'	3482'	1210 sx H		calc. surf	none
				9500'		530 sx H		3482'	none
6 1/4"	4 1/2"	11.6#	9253'	12818'		600 sx H		9097'	none

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"	12,055'	12,055'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) Morrow	12,184'	12,882'	12,184-12,494'	3"	2 spf/132	open
B) Morrow			12,562-70'	3"	2 spf	CIBP @ 12,530'
C) Morrow			12,668-82'	3"	2 spf	CIBP @ 12,630'
D)						

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

Depth Interval	Amount and Type of Material
12,184-12,494'	10,800 gals frac

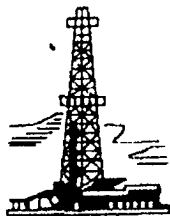
28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
7-15-07	7-19-07	24	→	0	500	116	-	0.680	Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
64/64	300	600	→						Producing/Evaluating

28a. 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
6-20-07			→						No Test
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					CIBP	

*(See instructions and spaces for additional data on page 2)



Permian Drilling Corporation

P. O. Box 726

(505)397-3798

Fax (505)393-2448

Hobbs, New Mexico 88241

INCLINATION REPORT

DATE: 1/8/2007

WELL NAME AND NUMBER: Black Eagle

LOCATION: Eddy Co., NM

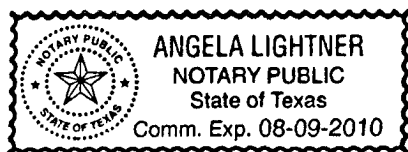
OPERATOR: OGX Resources, LLC

DRILLING CONTRACTOR: PERMIAN DRILLING CORPORATION

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

DEGREE	DEPTH	DEGREE	DEPTH	DEGREE	DEPTH
1.75	450	1.00	4526	2.50	8535
2.25	765	1.00	5041	1.25	8852
1.50	1000	1.00	5530	3.00	9014
0.75	1292	1.00	6675	2.00	9810
1.00	1450	2.75	7158	2.00	10369
1.00	1641	2.00	7400	0.25	12330
2.00	1839	3.00	7631	0.25	12353
2.00	2030	2.00	7751	1.00	12800
2.00	2691	4.00	7908		
1.50	3067	3.00	8001		
1.50	3575	3.25	8090		
1.00	4052	3.00	8250		

Drilling Contractor:
Permian Drilling Corporation



By: Sherry Coskrey
Sherry Coskrey
Regulatory Clerk

Subscribed and sworn to before me on this 11th day of July, 2007.

My Commission Expires: 08-09-2010

Angela Lightner

Submit in duplicate to
appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator OGX RESOURCES LLC				Lease or Unit Name BLACK EAGLE FED.			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 4/17/07	Well No. 1
Completion Date		Total Depth 12818		Plug Back TD		Elevation	Unit Ltr - Sec - TWP - Rge
Csg Size 4 1/2 LN	Wt 11 3/5	d	Set At 12818	Perforations From: 12668 To: 12882		County EDDY	
Tbg Size 2 3/8	Wt 4.7	d 1.995	Set At 12561	Perforations From: To:		Pool	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 12561		Formation MORROW	
Producing Thru TBG		Reservoir Temp °F 199.6 @ 12561		Mean Annual Temp. °F 60		Baro Press -P _a 13.2	
L 12561	H 12561	Gg 0.617	%CO ₂	%N ₂	%H ₂ S	Prover N/A	Meter Run 3.068
Taps FLG							

FLOW DATA				TUBING DATA				CASING DATA				Duration of Flow
No.	Prover Line Size	Orifice Size	Press p.s.i.g.	Diff h _w	Temp. °F	Press p.s.i.g.	Temp °F	Press p.s.i.g.	Temp °F			
SI						8300				24 HRS		
1	3	X 2 000	582	17.9	88	700				24 HRS		
2												
3												
4												
5												

RATE OF FLOW CALCULATIONS							
No	COEFFICIENT (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor F _g	Super Compress Factor F _{pv}	Rate of Flow Q, Mcfd
1	21.32	103.22	595.2	0.9741	1.273	1.046	2,854
2							
3							
4							
5							

No	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	DRY	Mcf bbl
1	0.88	548	1.51	0.914	A.P.I. Gravity of Liquid Hydrocarbons	DRY GAS	Deg.
2					Specific Gravity Separator Gas	0.617	XXXXXXX
3					Specific Gravity Flowing Fluid	XXXXXX	N/A
4					Critical Pressure	671	P.S.I.A.
5					Critical Temperature	362	R.

P _c 8313.2 P _{c2} 69109.3				
No	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		909.6	827.5	68281.8
2				
3				
4				
5				

(1)
$$\frac{P_c^2}{P_c^2 - P_w^2} = 1.012$$

AOF = Q
$$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.889$$

79825

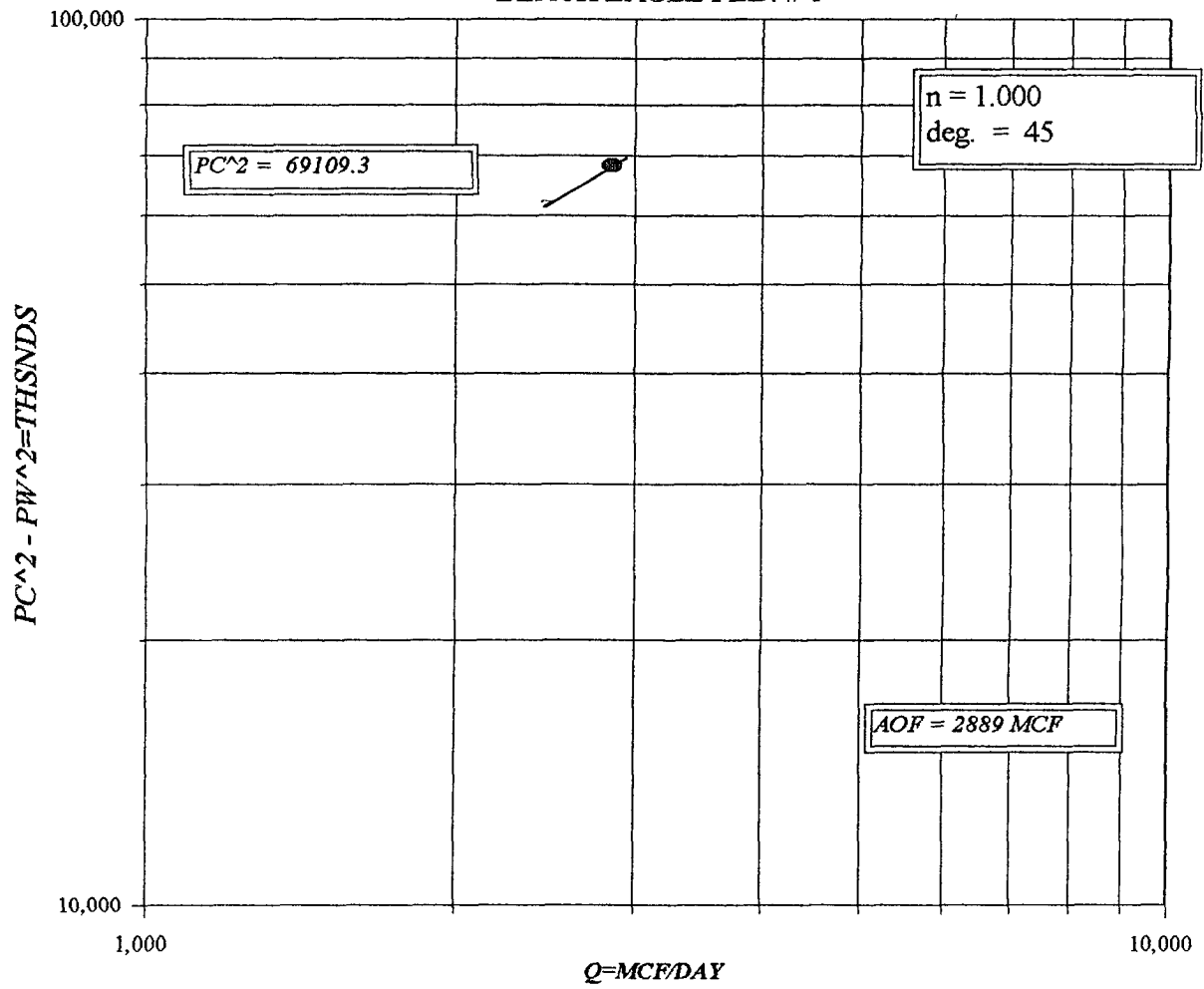
(2)
$$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.012$$

Absolute Open Flow	2,889	Mcf/d @ 15 025	Angle of Slope Q:	45	Slope n:	1
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Remarks. WELL PRODUCED 352 BBLS DURING TEST			
Approved By Division:	Conducted By: Sonic Petroleum Services	Calculated By: BM	Checked By: BM

UNIT :		SECTION :		TOWNSHIP :		WELL NO. : 1		Pc = 8313.2		Pc2 = 69109.3 *	
L :	12561	H :	12561	L/H :	1	G/GMIX :	0.617	Pt2 =	508.7	Pw =	909.6 *
%CO2 :		%N2 :		H2S :		DATE :	4-17-07		0.0		ERR *
d :	1.995	Fr :	0.018231	GH :	7750.1	RANGE :			0.0		ERR *
									0.0		ERR *
									68281.8		*
VOL 1 :	2854	PSIA 1 :	713.2	RESV.TEMP	199.6	Pc2-Pw2=	*****	Pw2 =	827.5 *		
VOL 2 :		PSIA 2 :					ERR		ERR *		
VOL 3 :		PSIA 3 :		SHUT-IN PR=	8313.2		ERR		ERR *		
VOL 4 :		PSIA 4 :					ERR		ERR *		
											*
PCR : 671								n =	1.000		*
TCR : 362											*
								Pc2/(Pc2-Pw2) =	1.012		*
LINE	RATE 1		RATE 2		RATE 3		RATE 4		ERR		*
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND	ERR		*
									ERR		*
1 QM	2.854	2.854	0.000	0.000	0.000	0.000	0.000	0.000			*
2 TW	534	534	534	534	534	534	534	534	[Pc2/Pc2-Pw2]n =	1.012	*
3 Ts	659.6	659.6	659.6	659.6	659.6	659.6	659.6	659.6		ERR	*
4 T	596.8	596.8	596.8	596.8	596.8	596.8	596.8	596.8		ERR	*
PR (est)	1.06		0.00		0.00		0.00			ERR	*
5 Z(est)	0.904	0.883	ERR	ERR	ERR	ERR	ERR	ERR			*
6 TZ	539.6	527.1	ERR	ERR	ERR	ERR	ERR	ERR	AOF= Q	2.889	*
7 GH/TZ	14.363	14.703	ERR	ERR	ERR	ERR	ERR	ERR		ERR	*
8 eS	1.714	1.736	ERR	ERR	ERR	ERR	ERR	ERR		ERR	*
9 l-e-S	0.416	0.424	ERR	ERR	ERR	ERR	ERR	ERR		ERR	*
10 Pt	713.2	713.2	0.0	0.0	0.0	0.0	0.0	0.0			*
11 Pt2 /1000	508.7	508.7	0.0	0.0	0.0	0.0	0.0	0.0			*
12 Fr	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231			*
13 Fc=FrTZ	9.837	9.610	ERR	ERR	ERR	ERR	ERR	ERR			*
14 FcQm	28.08	27.43	ERR	ERR	ERR	ERR	ERR	ERR			*
15 L/H(FcQm)	788.3	752.2	ERR	ERR	ERR	ERR	ERR	ERR			*
16 Fw	328.2648	318.8057	ERR	ERR	ERR	ERR	ERR	ERR			*
17 Pw2	836.9	827.5	ERR	ERR	ERR	ERR	ERR	ERR			*
18 Ps2	1434.2	1436.2	ERR	ERR	ERR	ERR	ERR	ERR			*
19 Ps	1197.6	1198.4	ERR	ERR	ERR	ERR	ERR	ERR			*
20 P	955.4	955.8	ERR	ERR	ERR	ERR	ERR	ERR			*
21 Pr	1.42	1.42	ERR	ERR	ERR	ERR	ERR	ERR			*
22 Tr	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65			*
23 Z	0.883	0.883	ERR	ERR	ERR	ERR	ERR	ERR		FORM C122-D	*

0GX RESOURCES LLC
BLACK EAGLE FED. # 1



DISTRICT I

1020 W. French St., Hobbs, NM 88240

DISTRICT II

1901 W. Grand Avenue, Artesia, NM 88210

DISTRICT III

1009 Eho Avenue Rd., Artesia, NM 87418

DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-35126	Pool Code 80925	Pool Name Malaga; Morrow, West (Gas)
Property Code	Property Name BLACK EAGLE FEDERAL	Well Number 1
OGRD No. 217955	Operator Name OGX RESOURCES, L.L.C.	Elevation 3072'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	17	24 S	28 E		840	SOUTH	1500	WEST	EDDY

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
Dedicated Acres 320	Joint or Infill	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

	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 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. Signature Date 9-18-06 Printed Name Ann E. Ritchie, Agent ann.ritchie@wtor.net
	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. JUNE 28, 2006 Date Surveyed Signature Professional Surveyor Certified by Gory L. Jones 7877 Board of Surveyors