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Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

5. Lease Serial No.
NM0304758

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

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

8. Well Name and No.
Foran 30 Federal #2

2. Name of Operator
Matador Operating Company

9. API Well No.
30-005-63314

3a. Address
310 W. Wall, Ste 906 Midland, TX 79703

3b. Phone No. *(include area code)*
915-687-5955

10. Field and Pool, or Exploratory Area
Diamond Mound (Morrow)

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
660 FNL; 660 FWL
Unit D, Sec. 30, T-15S, R-28E

11. County or Parish, State
Chaves County

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Completion
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

See attachment

ACCEPTED FOR RECORD
(ORIG. SGD.) DAVID R. GLASS
JUL 11 2001
DAVID R. GLASS
PETROLEUM ENGINEER

RECEIVED
OCD - ARTESIA

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
Russ Mathis

Title Production Manager

Signature Russ Mathis

Date 7/10/01

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

Matador Operating Company

Foran 30 Federal #2 **API # 30-005-63314**
Chaves, Co., NM Unit D, Sec. 30, T-15S, R-28E

01/31/01 Blade and level location. Install riser on intermediate casing valve. Fill cellar with pea gravel. Set anchors. MIRU Aries pulling unit. NU BOP. SDON.

02/01/01 Take delivery of 293 joints new Lone Star 2-3/8 L-80, 4.7#, EUE, 8rd tubing. Pick up and TIH with 3.875 bit, casing scraper, X-O and tubing. Tag cement at 9182' KB (289 joints). Pressure test casing and shoe 4000#. Circ with 130 bbls 2% KCL and packer fluid. TOH with 30 stands tubing. SWI, SDON.

02/02/01 Continue TOH with tubing. RU JSI wireline. TIH with gamma ray, CCL, CBL, and wireline. Tie in gamma ray to Baker Atlas open hole log dated 1/23/01. (Compensated Z-Densilog, compensated neutron, gamma ray). Find PBTD at 9160'. Make first log pass with 0 psi. Pressure casing to 2000 psi for main pass. Find good cement bond across zones of interest (less than 2 millivolts). Top of cement at 5486'. TOH with wireline and tools. Pick up and begin TIH with TCP tools and tubing. Test to 8000 psi above slips (see detail below). SWI, SDON.

02/03/01 Complete TIH. RU JSI wireline. TIH with gamma ray, CCL and wireline. Correlate TCP depth to open hole log. TOH with same. Space out. Set packer. TIH with gamma ray, CCL and wireline. Confirm TCP is on depth. TOH with same. RD JSI. ND BOP. Test tree and connections to 5000 psi. NU tree. Test flanges, wrap around, and BO2 coupling to 5000 psi. Drop sleeve, open vent sub. RU Cudd. Pressure tubing with N2 to 1000 psi at surface. (BHP 1300#). RD Cudd. Drop bar to firing head and perf Morrow from 8940' - 8964' with 3-3/8" guns loaded at 3 SPF, 120 deg phasing. Guns fire. 30 min after perf, SITP 1100 psi. Open to pit. Gas to surface in 15 min at 250 psi. Continue flow test over night on 16/64 choke. Stabilized FTP 150 psi.

Tubing Detail:

1 joint	2-3/8 L -80 4.7# EUE 8rd tubing	31.76	
	ditto tubing subs	14.10	
273 jts	ditto tubing	8656.83	
	ditto tubing sub	6.10	
1 joint	ditto tubing	31.31	
	on - off tool with X profile (1.87")	1.35	at 8756.05
	4-1/2 x 2 Arrow 1X 10K packer	6.33	at 8757.40
	ditto tubing sub	10.15	
	X nipple (1.87 profile)	0.95	at 8773.88
	ditto tubing sub	9.96	
	X - N nipple (1.87 profile, 1.792 no-go)	1.08	at 8784.79
	ditto tubing sub	10.20	
	bar vent	1.32	
	mechanical tubing release	1.59	
	4 jts ditto tubing	133.42	
	mechanical firing head	4.60	
	blank gun	3.00	
	perf guns (3 SPF 120 Deg phase)	24.00	
	bull plug	0.87	
275 jts	total tubing and tools	8948.92	
	15 of 15 KB adj	15.00	
	12.5 pts compression	2.50	
	End of guns (tubing measurement)	8961.42	

Matador Operating Company

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Chaves, Co., NM Unit D, Sec. 30, T-15S, R-28E

02/04/01	Continue flow test. FTP 150 psi on 18/64 choke. Estimate less than 1 bbl water recovered last 12 hours. SWI to tie in gas unit and flow line. 1.5 hour SITP 1050 psi. Put on line. FTP 150 psi. Flow rate 310 MCFD.
02/05/01	RD Aries Well Service. Produced 165 MCF and 8 bbls water with 90 FTP on a 20/64 choke.
02/06/01	RU Pro wireline. TIH with tools and wireline. Release TCP tools at 8797'. TIH and tag top of dropped tools at 8997' (corrected depth). TOH with wireline and tools. RD Pro. Put on line. Produced 218 MCF, 3 water, 2 bbls condensate, 70 FTP on a 48/64 choke.
02/07/01	Produced 207 MCF, 3 water, 8 bbls condensate, 70 FTP
02/08/01	Produced 189 MCF, 1 water, 70 FTP
02/09/01	Produced 162 MCF, 0 water, 75 FTP
02/10/01	Produced 128 MCF, 0 water, 75 FTP, 1 bbl condensate
02/11/01	Produced 50 MCF, 0 water. RU slickline unit. RIH with pressure gauges. SWI at 10:00 am 2/10/01 to begin BU.
02/12/01	SITP 1250
02/13/01	SITP 1200
02/14/01	SITP 1200. Preparing to pull gauges.
02/15/01	120 hr SITP 1200 psi. RU Pro wireline. TIH with retrieving tools and wireline. Latch onto BHP recorders. TOH with same. RD Pro. Put on line.
02/16/01	1225 SITP
02/17/01	4 oil, 90 MCF, 0 water, 350 tbg pressure, 10/64 choke
02/18/01	0 oil, 126 MCF, 0 water, 80 tbg pressure
02/19/01	0 oil, 89 MCF, 0 water, 95 tbg pressure MIRU Key swab unit. Flow rate 120 MCFD. TIH with swab. FL first run at 4500' and scattered. Swab 5 BW in two runs. Put on line. Will check next AM.
02/20/01	MIRU Key swab unit. Flow rate 120 MCFD. TIH with swab. FL first run at 4500' and scattered. Swab 10 BW in 7 runs. Wait one hour, check for fluid. No entry. Put on line. Will check next AM.
02/21/01	Flow rate 100 MCFD. TIH with swab. FL first run at 7000' and scattered. Swab less than 1 BW in 2 runs. Put on line. RD Key.
02/22/01	0 oil, 95 MCF, 1 water, 90 tbg pressure
02/23/01	0 oil, 85 MCF, 0 water, 90 tbg pressure
02/24/01	0 oil, 78 MCF, 0 water, 85 tbg pressure
02/25/01	0 oil, 80 MCF, 0 water, 90 tbg pressure
02/26/01	0 oil, 75 MCF, 0 water, 90 tbg pressure, 70 LP
02/27/01	0 oil, 80 MCF, 1 water, 80 tbg pressure
02/28/01	0 oil, 61 MCF, 0 water, 80 tbg pressure, shut in 11:00 am
03/01/01	SWI 02/28/01. SITP at 9:00 am 3/1/01 at 500 psi. RU Baker electric line. Ran 1-11/16" dummy string to 8980. RIH with 1-11/16" Predator strip gun loaded at 4 SPF with 0 degree phasing. Perforate Morrow from 8898-8909. No change in pressure. RD Baker. POL at 200 MCFD with 70 FTP.

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Chaves, Co., NM Unit D, Sec. 30, T-15S, R-28E

03/02/01 0 oil, 20 MCF, 0 water, 70 tbg pressure, 65 LP
03/03/01 2 oil, 30 MCF, 6 water, 75 tbg pressure
03/04/01 0 oil, 30 MCF, 0 water, 70 tbg pressure
03/05/01 0 oil, 20 MCF, 0 water, 70 tbg pressure
03/06/01 0 oil, 20 MCF, 0 water, 70 tbg pressure, 63 LP

03/07/01 0 oil, 20 MCF, 0 water, 70 tbg pressure, 63 LP. MIRU Key swab unit. Flow rate 20 MCFD. TIH with swab. FL first run at 2700' and scattered. Made 7 runs. Recovered 15 BW. FL at 8400'. Put on line.

03/08/01 Flow rate 15.7 MCFD. TIH with swab. FL first run at 6200' and scattered. Made 4 runs. Recovered 6 BW. FL at 8400'. Made one run each hour. Recovered 100' fluid each run. Put on line. SDON. Recovered 10 bbls total for the day.

03/09/01 Flow rate 37 MCFD. TIH with swab. FL first run at 8000' and scattered. Made 1 run. Recovered 300' fluid (1.5 BW). Put on line. RD Key.

03/12/01 Produced 22 MCF with 65 tbg pressure
03/13/01 Produced 22 MCF with 65 tbg pressure

03/14/01 MIRU Aries pulling unit. RIH with swab. FL at 4000. Pulled 1 run. Sent water to lab for analysis. Produced 12 MCF with 70 tbg pressure.

Water Analysis:

Anions	**ppm**
Chlorides	54019
Sulfates	635
Carbonates	0
Bicarbonates	400

Cations	**ppm**
Calcium	3437
Magnesium	231
Iron	381

03/15/01 ND well head. NU BOP. Load tubing with 31 bbls 2% KCL. Release packer. TOH with tubing and packer. RU JSI wireline. TIH with 3.625 gauge ring/junk basket and wireline to 8960'. TOH with same. TIH with Howco E-Z drill 10K CIBP, (7K from below, 10K above) setting tool and wireline. Set CIBP at 8930'. TOH with same. TIH with 3.125 perf guns loaded 3 SPF 120 deg phase. Perf 8898' - 8910' (36 holes). No change in well condition. (FL at 1650'). TOH with same. SWI, RD JSI, SDON.

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Chaves, Co., NM Unit D, Sec. 30, T-15S, R-28E

03/16/01 SICP 0#. TIH with BHA and tubing. Set packer at 8738' with 15 points compression. Load casing with 15 bbls 2% KCL. Test casing and packer to 3000# for 15 min. ND BOP. NU well head. RU swab. FL first run at 1200'. Swab to packer in 4 runs (recover 26 BW). Wait one hour between runs. New swab cups, no retrievable fluid, very little gas. Leave shut in. Shut down over week end.

Tubing Detail:

275 jts	2-3/8 L-80 4.7# EUE 8rd tubing	8719.90
	On/off tool with X profile (1.87")	1.35
	4-1/2 x 2 Arrow 1X 10K packer	6.33
	Ditto tubing sub	10.15
	X nipple (1.87 profile)	0.95
	Ditto tubing sub	9.96
	X-N nipple (1.87 profile, 1.792 no-go)	1.08
	Re-entry guide	0.90
275 jts	total tubing and tools	8750.62
	KB	15.00
		8765.62
	17 points compression	-4.34
		8761.28

03/19/01 62 hour SITP 580 psi. Put gas down line. Flow rate 0 after 40 min. TIH with swab. FL at 8300'. Recovered 1 BW. Slight blow behind swab. Made 1 swab run each 2 hours. Recover 1/4 BW - 0 BW per run. No gas increase. Leave open to sales line. SDON.

03/20/01 Flow rate 0 overnight. TIH with swab. FL at 8100'. Recover 1 BW. Slight blow between swab runs. Made 1 swab run each 2 hours. Recovered 1/4 BW - 0 BW per run. No gas increase. SWI, SDON.

03/21/01 16 hr, SITP: 900#. RLS press. RU Schlumberger. RU Tree Saver International w/10K tools. RU back side pump. Pressure annulus to 1,000# & monitor during job. Pump job: (1) 1,000 scf N2/1bbl 7 1/2% gas well acid (2) 750 gal acid w/30 J-122 ball sealers (3) w/acid on perfs, pressure breaks @ 6,300 psi @ 3 bpm (fluid) & 3,300 scfm (N2) (4) pressure drops to 6,100# , then climbs to 6,100# w/some ball action (5) over flush w/50 bbl N2, 8000 scfm @ 6,100-6,130 psi. ISIP: 5,540#; 5 min: 3,940#; 10 min: 3,365#; 15 min: 2,948#. RD Schlumberger. RD back side pump. RD TS1. 38 min SITP: 1,900#. Flow back N2 for 30 min. TIH w/swab. No fluid, line dry. Wait 2 hrs, repeat. RU orifice tester. Flow rate:32 mcfd, mostly N2. Leave well open through tester. SDON.

03/22/01 FTP: 54 psi through orifice tester w/.125" plate Calculated flow rate of 28 MCFD. Make swab run. Tubing dry. RDMOPU. **Put well on line @ 12:00 p.m. 03/22/01**.

03/23/01 0 oil, 152 MCF, 0 water, 80 tbg pressure
03/24/01 0 oil, 152 MCF, 0 water, 80 tbg pressure
03/25/01 0 oil, 190 MCF, 1 water, 80 tbg pressure

03/26/01 0 oil, 190 MCF, 0 water, 80 tbg pressure. FTP 80 psi. Calculated flow rate of 141 MCFD. MIRU Key swab unit. FL first run at 5600' and scattered to 8700'. Made 2 swab runs. Put well on line. Flow rate 225 MCFD. Wait 2 hours. Flow rate 172 MCFD. Made swab run. Recovered 1/2 BW. Put on line. SDON. Total fluid recovered: 2.32 BW.

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Chaves, Co., NM

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Unit D, Sec. 30, T-15S, R-28E

03/27/01	0 oil, 204 MCF, 0 water, 70 tbg pressure. FTP 80 psi. Calculated flow rate of 204 MCFD (flow taken from total flow meter, #1 shut in). RD Key swab unit.
03/28/01	0 oil, 209 MCF, 0 water, 80 tbg pressure
03/29/01	0 oil, 212 MCF, 0 water, 100 tbg pressure
03/30/01	0 oil, 214 MCF, 0 water, 90 tbg pressure
03/31/01	0 oil, 215 MCF, 0 water, 90 tbg pressure
04/01/01	0 oil, 214 MCF, 0 water, 90 tbg pressure
04/02/01	0 oil, 217 MCF, 0 water, 90 tbg pressure
04/03/01	0 oil, 218 MCF, 0 water, 90 tbg pressure
04/04/01	0 oil, 217 MCF, 0 water, 90 tbg pressure
04/05/01	0 oil, 218 MCF, 0 water, 90 tbg pressure
04/06/01	0 oil, 216 MCF, 0 water, 90 tbg pressure
04/07/01	0 oil, 218 MCF, 0 water, 90 tbg pressure
04/08/01	0 oil, 217 MCF, 0 water, 580 tbg pressure, shut in at 6:00 pm
04/09/01	RU Pro wireline. RIH with pressure gauges. SWI Saturday 4/7/01 pm. Will pull gauges 4/13/01. SITP 660 psi.
04/10/01	SITP 630 psi
04/11/01	SITP 630 psi
04/12/01	SITP 640 psi
04/13/01	SITP 640 psi
04/14/01	SITP 620 psi
04/15/01	SITP 620 psi
04/16/01	SITP 620 psi. RU Pro wireline. Retrieve pressure gauges.
04/17/01	SITP 700 psi. Put on line at 12:30 pm, 4/16/01. Evaluating pressure build-up.
04/18/01	0 oil, 142 MCF, 0 water, 80 tbg pressure, 18 hours
04/19/01	0 oil, 156 MCF, 0 water, 85 tbg pressure
04/20/01	0 oil, 189 MCF, 0 water, 90 tbg pressure
04/21/01	0 oil, 181 MCF, 0 water, 90 tbg pressure
04/22/01	0 oil, 178 MCF, 0 water, 90 tbg pressure
04/23/01	0 oil, 205 MCF, 0 water, 80 tbg pressure
04/24/01	0 oil, 208 MCF, 0 water, 80 tbg pressure
04/25/01	0 oil, 205 MCF, 0 water, 80 tbg pressure
04/26/01	0 oil, 209 MCF, 0 water, 85 tbg pressure
04/27/01	0 oil, 196 MCF, 0 water, 90 tbg pressure
04/28/01	0 oil, 201 MCF, 0 water, 90 tbg pressure
04/29/01	0 oil, 198 MCF, 0 water, 90 tbg pressure
04/30/01	0 oil, 203 MCF, 0 water, 90 tbg pressure
05/01/01	0 oil, 197 MCF, 0 water, 90 tbg pressure
05/02/01	0 oil, 199 MCF, 0 water, 100 tbg pressure
05/03/01	0 oil, 200 MCF, 0 water, 90 tbg pressure
05/04/01	0 oil, 202 MCF, 0 water, 90 tbg pressure
05/05/01	0 oil, 213 MCF, 0 water, 80 tbg pressure
05/06/01	0 oil, 198 MCF, 0 water, 70 tbg pressure
05/07/01	0 oil, 201 MCF, 0 water, 80 tbg pressure
05/08/01	0 oil, 219 MCF, 0 water, 80 tbg pressure
05/09/01	0 oil, 217 MCF, 0 water, 80 tbg pressure

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Chaves, Co., NM

API # 30-005-63314
Unit D, Sec. 30, T-15S, R-28E

05/10/01	0 oil, 213 MCF, 0 water, 80 tbg pressure
05/11/01	0 oil, 212 MCF, 0 water, 80 tbg pressure
05/12/01	0 oil, 210 MCF, 0 water, 80 tbg pressure
05/13/01	0 oil, 197 MCF, 0 water, 80 tbg pressure
05/14/01	0 oil, 206 MCF, 0 water, 80 tbg pressure
05/15/01	0 oil, 205 MCF, 0 water, 80 tbg pressure
05/16/01	0 oil, 197 MCF, 0 water, 80 tbg pressure
05/17/01	0 oil, 195 MCF, 0.5 water, 80 tbg pressure
05/18/01	0 oil, 192 MCF, 0 water, 80 tbg pressure
05/19/01	0 oil, 189 MCF, 0 water, 80 tbg pressure
05/20/01	0 oil, 191 MCF, 0 water, 80 tbg pressure
05/21/01	0 oil, 191 MCF, 0 water, 80 tbg pressure
05/22/01	0 oil, 190 MCF, 0 water, 80 tbg pressure
05/23/01	0 oil, 189 MCF, 0 water, 80 tbg pressure
05/24/01	0 oil, 180 MCF, 0 water, 80 tbg pressure
05/25/01	0 oil, 181 MCF, 0 water, 80 tbg pressure
05/26/01	0 oil, 182 MCF, 0 water, 80 tbg pressure
05/27/01	0 oil, 175 MCF, 0 water, 80 tbg pressure
05/28/01	0 oil, 180 MCF, 0 water, 80 tbg pressure
05/29/01	0 oil, 178 MCF, 0 water, 80 tbg pressure
05/30/01	0 oil, 172 MCF, 0 water, 80 tbg pressure
05/31/01	0 oil, 176 MCF, 0 water, 80 tbg pressure
06/01/01	0 oil, 167 MCF, 0 water, 80 tbg pressure
06/02/01	0 oil, 195 MCF, 0 water, 80 tbg pressure
06/03/01	0 oil, 180 MCF, 0 water, 80 tbg pressure
06/04/01	0 oil, 165 MCF, 0 water, 80 tbg pressure
06/05/01	0 oil, 175 MCF, 0 water, 80 tbg pressure
06/06/01	0 oil, 190 MCF, 0 water, 80 tbg pressure
06/07/01	0 oil, 188 MCF, 0 water, 80 tbg pressure
06/08/01	0 oil, 183 MCF, 0 water, 65 tbg pressure
06/09/01	0 oil, 170 MCF, 0 water, 65 tbg pressure
06/10/01	0 oil, 175 MCF, 0 water, 80 tbg pressure
06/11/01	0 oil, 182 MCF, 0 water, 80 tbg pressure
06/12/01	0 oil, 181 MCF, 0 water, 80 tbg pressure
06/13/01	0 oil, 173 MCF, 0 water, 80 tbg pressure
06/14/01	0 oil, 185 MCF, 0 water, 80 tbg pressure
06/15/01	0 oil, 181 MCF, 0 water, 80 tbg pressure
06/16/01	0 oil, 165 MCF, 0 water, 80 tbg pressure
06/17/01	0 oil, 163 MCF, 0 water, 80 tbg pressure
06/18/01	0 oil, 163 MCF, 0 water, 80 tbg pressure
06/19/01	0 oil, 231 MCF, 0 water, 80 tbg pressure
06/20/01	0 oil, 233 MCF, 0 water, 80 tbg pressure
06/21/01	0 oil, 233 MCF, 0 water, 80 tbg pressure
06/22/01	0 oil, 256 MCF, 0 water, 100 tbg pressure
06/23/01	0 oil, 314 MCF, 0 water, 125 tbg pressure
06/24/01	0 oil, 179 MCF, 0 water, 125 tbg pressure
06/25/01	0 oil, 275 MCF, 0 water, 80 tbg pressure
06/26/01	0 oil, 278 MCF, 0 water, 80 tbg pressure