

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED  
OMB NO. 1004-0137  
Expires July 31, 2010

## 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.

JAN 12 2015

Fermington Field Office  
Bureau of Land Management

SUBMIT IN TRIPLICATE - Other instructions on page 2

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

2. Name of Operator  
**XTO Energy Inc.**

3a. Address  
**382 CR 3100, AZTEC, NM 87410**

3b. Phone No. (include area code)  
**(505) 333-2642**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1,540' FNL & 1,520' FWL SEC. 03 (F) -T27N-R10W**

5. Lease Serial No.  
**NMSF077382**

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
**RP HARGRAVE J #1E**

9. API Well No.  
**30-045-24662**

10. Field and Pool, or Exploratory Area  
**BASIN DAKOTA**

11. County or Parish, State  
**SAN JUAN NM**

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

## TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

## TYPE OF ACTION

☐ Acidize ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off

☐ Alter Casing ☐ Fracture Treat ☐ Reclamation ☐ Well Integrity

☒ Casing Repair ☐ New Construction ☐ Recomplete ☒ Other **SLIM HOLE**

☐ 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 recompleat 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 recompleat 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 final site is ready for final inspection.)

XTO Energy Inc, has set a CIBP @ 6381' to isolate the DK perfs due to a csg leak. XTO also requests permission to repair the casing per the attached proceedure. Please also see the wellbore diagram and the proposed well bore diagram. The following summary details the csg test results:

11/10/2014: MIRU. TOH 2-3/8", 4.7#, J-55 tbg, Tex Jet Tool, and pkr.

11/11/2014: Tg @ 6,547'. Set CIBP @6,381'. Used pkr to locate csg leak. PT csg to 550 psig. Press drop fr/550 - 120 psig in 5". Results fr/tests: Csg fr/3,179' - 6,381' (CIBP) press drop fr/550 - 0 psig in 4". Csg fr/3,179' - surf tstd @ 550 psig. Tst OK.

11/12/2014: Results fr/tsts: Csg fr/4,278' - 6,381' (CIBP) 550 psig for 30" w/chart. Tst OK. Csg fr/3,776' - 4,278' press fr/550 - 0 psig in 4". Csg fr/3,776' - surf tstd @ 550 psig. Tstd OK. TIH w/2-3/8", 4.7#, J-55 tbg. EOT @ 6,351'. CIBP @ 6,381'. DK perfs fr/6,412' - 6,580'. Csg leak @ 3,776' - 4,278'. Fill @ 6,547'. PBTB @ 6,648'. RDMO. Notified Brandon Powell w/NMOCD of csg leak and got verbal approval to set CIBP and move off location.

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

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

**KRISTEN D. BABCOCK**Title **REGULATORY ANALYST**

Signature

*Kristen D. Babcock*Date **1/8/2015**

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by **Troy Salvors**Title **PE**Date **1/14/2015**

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 **FFO**

NMOCD

**RP Hargrave J #1E  
SEC 3, T27N, R10W  
SAN JUAN, NM  
API: 30-045-24662  
CASING REPAIR**

**SURF CSG:** 8-5/8", 24#, K-55 CSG @ 335'. CMT'D W/300 SX CMT. CIRC CMT TO SURF.

**PROD CSG:** 4-1/2", 10.5#, J-55 CSG @ 6,689'. CMT'D IN TWO STGS. STG#1 LEAD 440 SX, TAIL 100 SX. STG #2 LEAD 1,370 SX, TAIL 100 SX. CIRC CMT TO SURFACE. **PBTD @ 6,648'**. CASING LEAK FROM 3,776'-4,278'.

**TUBING:** NC, SN & 202 JTS 2-3/8", 4.7#, J-55, 8RD, EUE TBG. SN @ 6,350', EOT @ 6,351'.

**PERFORATIONS:** DAKOTA: 6,412'-6,580', CIBP @ 6,381'

**CURRENT STATUS:** WELL SI. PLAN TO RUN AND CEMENT 2-7/8" CASING FROM TOP OF DAKOTA TO SURFACE INSIDE EXISTING 4-1/2" PRODUCTION CSG.

1. MIRU PU. MI 300' of 2-3/8" tbg and 6,380' of 2-7/8", 6.5#, J-55 tbg YB with slimhole collars. Check and record casing and bradenhead pressures.
2. Blow down and kill well with treated water. ND WH.
3. NU and pressure test BOPs.
4. MU landing joint. POH and LD tubing hanger. TIH and tag CIBP @ 6,381'.
5. TOH with 2-3/8" tubing.
6. MIRU AFU. TIH w/3-7/8" bit, SN, & 2-3/8" tubing.
7. DO CIBP @ 6,381'. CO fill to PBTD @ 6,648. Circulate clean. RDMO AFU. TOH and LD tubing and BHA.
8. PU & TIH w/2-7/8" cplg w/aluminum plg, 1 jt 2-7/8", 6.5#, J-55, 8rd, EUE yb csg w/TDC's, Weatherford 4-1/2" 440 pkr, 2-7/8" x 4' perf sub w/TDC, 1 jt 2-7/8", 6.5#, J-55, 8rd, EUE yb tbg w/TDC, insert FC, 1 jt 2-7/8", 6.5#, J-55, 8rd EUE yb tbg w/TDC, plg baffle receptacle & +/- 208 jts 2-7/8", 6.5#, J-55, 8rd EUE yb tbg w/TDC'. Plg receptacle @ 6,306'. FC @ 6,336'. Perf sub @ 6,366'. Pkr @ 6,370'. EOC @ 6,400'. ✓
9. MIRU cement trucks. Circulate bottoms up with +/- 50 bbls of treated water. Pump 175 sx Baker Premium Lite High Strength cement (12.6 ppg, 1.92 cf/sx). ✓ Wash up lines. Drop 2-7/8" wiper plug and displace cement to float collar with 35 bbls treated water. RDMO cement truck. WOC minimum of 24 hrs. ✓
10. PU 1-1/2" MT from Knight Tools. TIH with 2-1/4" bit on 1-1/2" MT. Tag TOC and drill out wiper plug, cement, and aluminum plug in float shoe using treated water. RIH to PBTD. Circ well clean. TOH w/tbg.

11. Swab well until well kicks off. If well will not kick off TIH w/SN, +/- 210 new jts 1-1/4", 2.33#, J-55, 10rd, IJ tbg. EOT @ 6,446'. SN @ 6,445'. RDMO PU.

#### **Regulatory Requirements**

- C-144 -CLEZ
- Regulatory approval to repair casing

#### **Services**

- AFU
- Baker cementing
- Knight Oil Tools 1-1/2" MT for drillout

#### **Equipment List**

- +/- 210 jts (6,400') of 2-7/8", 6.5#, J-55 EUE, 8rd tbg YB w/slim hole collars
- +/- 300' of 2-3/8", 4.7#, J-55 EUE, 8rd tbg for drillout/cleanout
- +/- 210 new jts 1-1/4", 2.33#, J-55, 10rd, IJ tbg.
- 2-7/8" cplg w/aluminum plg
- Weatherford 4-1/2" 440 pkr
- Baker 2-7/8" insert FC
- Plg baffle receptacle
- 2-7/8" X 4' perf sub



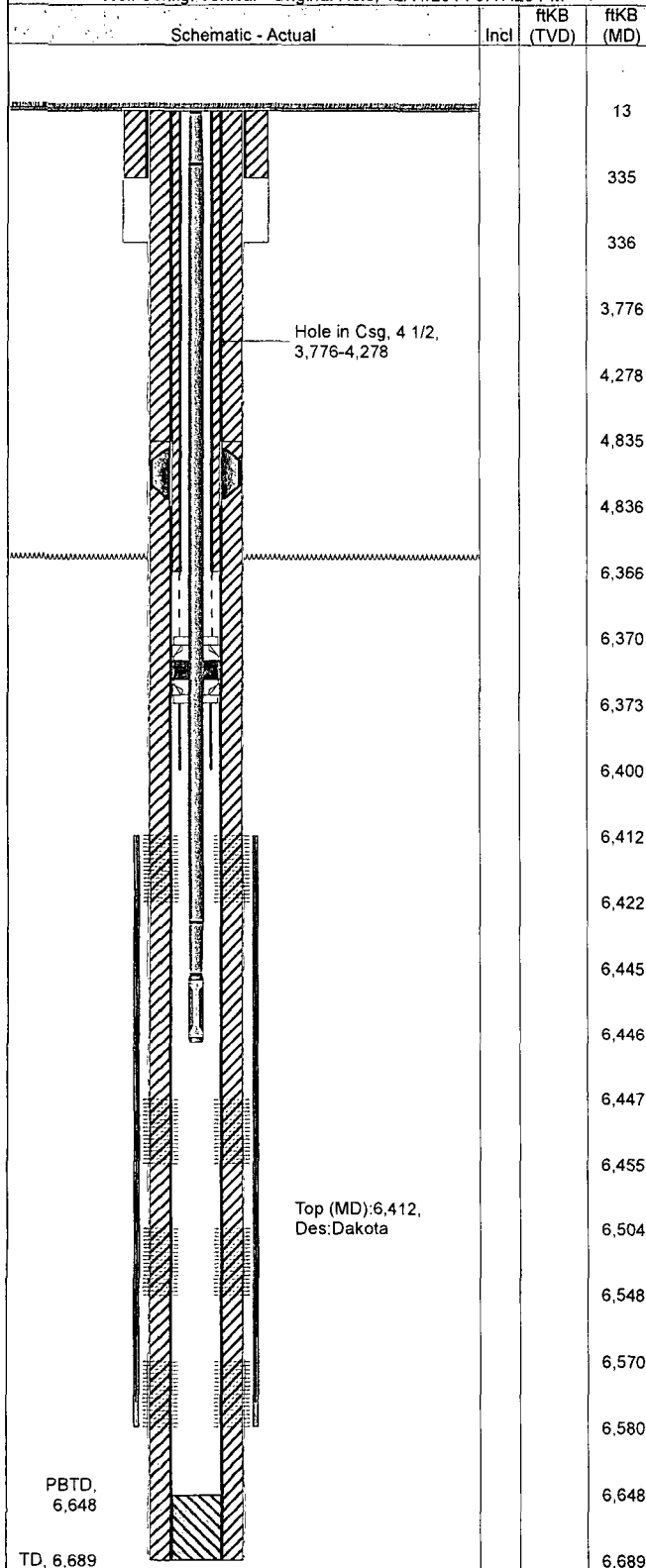
# XTO - Wellbore Diagram

PROPOSED

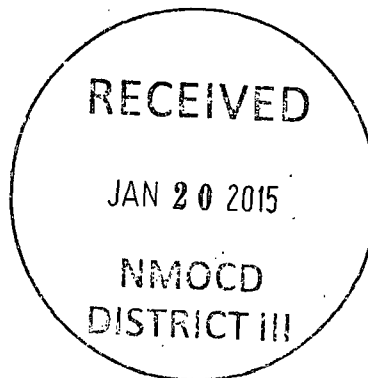
Well Name: RP Hargrave J 01E

API/UWI 30045246620000	E/W Dist (ft) 1,520.0	E/W Ref FWL	N/S Dist (ft) 1,540.0	N/S Ref FNL	Location T27N-R10W-S03	Field Name Basin Dakota	County San Juan	State/Province New Mexico
Well Configuration Type Vertical	XTO ID B 70417	Orig KB Elev (ft) 6,073.00	Gr Elev (ft) 6,060.00	KB-Grd (ft) 13.00	Spud Date 10/26/1981	PBTD (All) (ftKB) Original Hole - 6648.0	Total Depth (ftKB) 6,689.0	Method Of Production Beam

Well Config: Vertical - Original Hole, 12/11/2014 3:47:28 PM



Zones								
Zone		Top (ftKB)		Btm (ftKB)				
Dakota		6,412.0		6,580.0				
Casing Strings								
Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)			
Surface	8 5/8	24.00	K-55		335.0			
Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)			
Liner	2 7/8	6.50	J-55		6,400.0			
Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)			
Production	4 1/2	10.50	J-55		6,689.0			
Item Description	OD (in)	Wt (lbs/ft)	Grade	Top (ftKB)	Bottom (ftKB)			
DV Tool	4 1/2			4,835.0	4,836.0			
Cement								
Description	Type			String				
Surface Casing Cement	casing			Surface, 335.0ftKB				
Comment								
Cmt'd w/300 sx CI 'B' cmt. Circ 20 sx to surf.								
Description	Type			String				
Production Casing Cement	casing			Production, 6,689.0ftKB				
Comment								
Cmt'd 1st stage w/440 sx 50/50 Poz mix + 100 sx CI "B" neat cmt. Cmt'd 2nd stage w/1,370 sx 50/50 Poz mix + 100 sx CI "B" neat. Circ 20 sx to surf.								
Description	Type			String				
Liner Casing Cement	casing			Liner, 6,400.0ftKB				
Comment								
Pmp 175 sx Baker Prem Lite HS cmt (12.6 ppg, 1.92 cf/sx).								
Perforations								
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	Curr... Status	Zone	
11/18/1981	6,412.0	6,422.0	2.0				Dakota	
11/18/1981	6,447.0	6,455.0	2.0				Dakota	
11/18/1981	6,504.0	6,548.0	2.0				Dakota	
11/18/1981	6,570.0	6,580.0	2.0				Dakota	
Tubing Strings								
Tubing Description	Run Date			Set Depth (ftKB)				
Tubing - Production	12/1/2014			6,446.0				
Tubing Components								
Item Description	Jts	Model	OD (in)	Wt (lbs/ft)	Gra... Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	210		1 1/4	2.40	J-55	6,432.00	13.0	6,445.0
Seat Nipple			1 1/4			1.00	6,445.0	6,446.0
Stimulations & Treatments								
Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)
11/18/1981	6412	6580						
Comment								
Frac'd DK w/128,000 gals (37,000 gals xl 40# gel wtr pad & 40# & 30# gel wtr sd stgs) & 342,000 lbs 20/40 sd. AIR 37 bpm. ATP 1,500 psig. Max TP 2,600 psig. Max sd CONC 5 ppg. ISIP 1,400 psig, 15" sip 800 psig.								



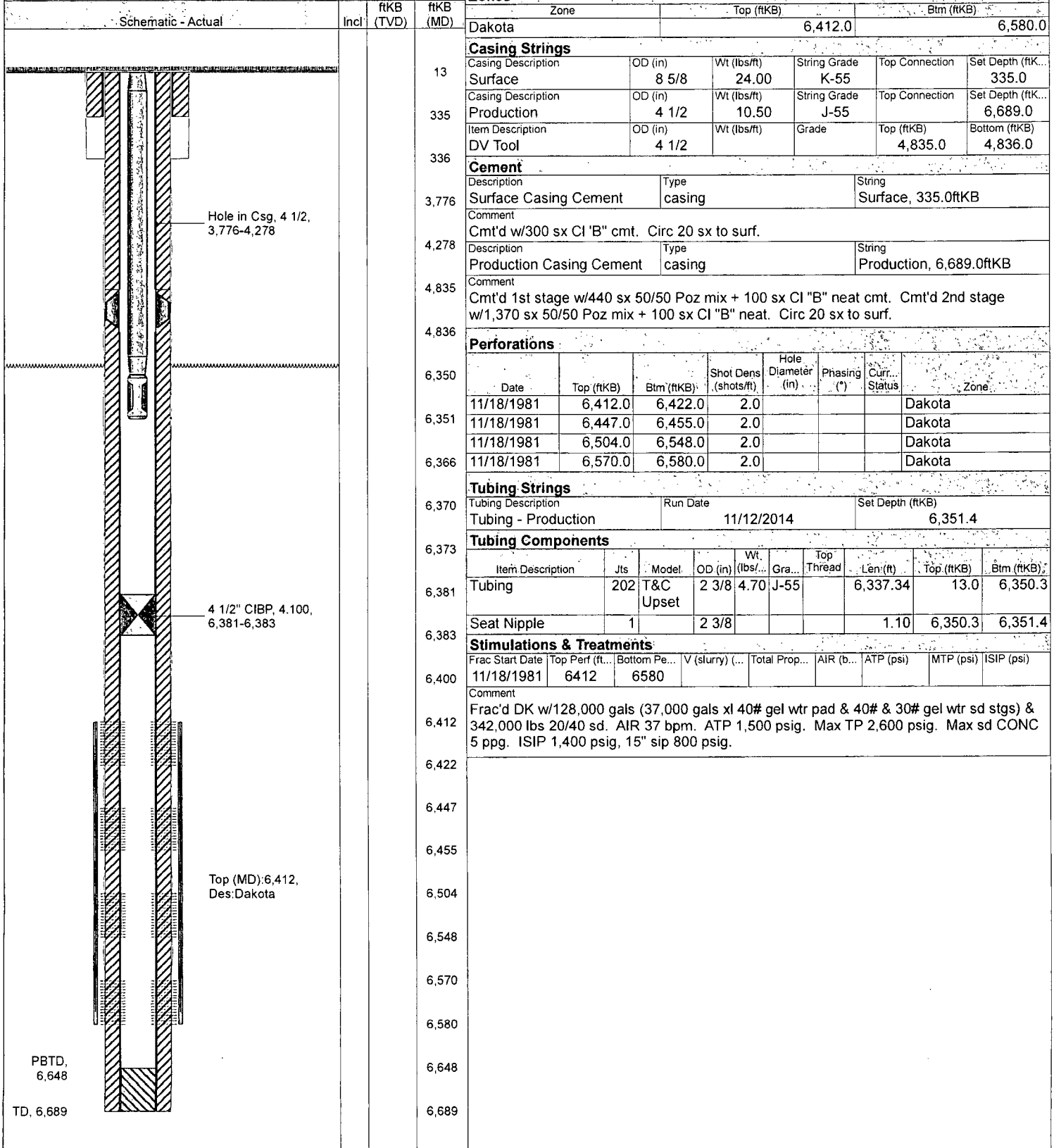


# XTO - Wellbore Diagram

Well Name: RP Hargrave J 01E

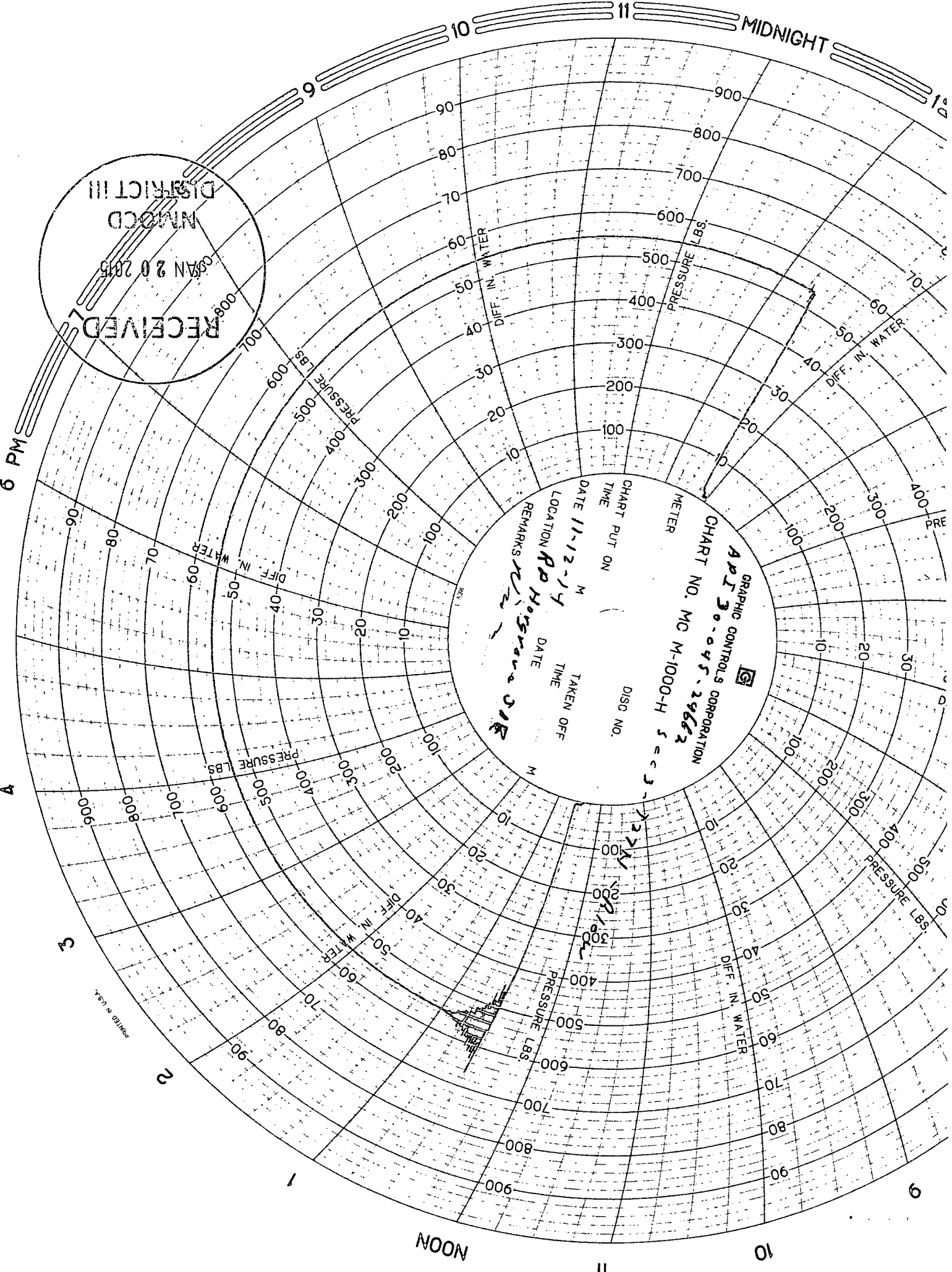
API/UWI	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref	Location	Field Name	County	State/Province
30045246620000	1,520.0	FWL	1,540.0	FNL	T27N-R10W-S03	Basin Dakota	San Juan	New Mexico
Well Configuration Type	XTO ID B	Orig KB Elev (ft)	Gr Elev (ft)	KB-Grd (ft)	Spud Date	PBTD (All) (ftKB)	Total Depth (ftKB)	Method Of Production
Vertical	70417	6,073.00	6,060.00	13.00	10/26/1981	Original Hole - 6648.0	6,689.0	Beam

Well Config: Vertical - Original Hole, 12/11/2014 10:29:31 AM



RECEIVED  
JAN 20 2015  
NMCCD  
DISTRICT III

GRAPHIC CONTROLS CORPORATION  
A/I 30-045-24662  
CHART NO. MC M-1000-H 5-0-3-1224  
METER  
CHART PUT ON  
DATE 11-12-14  
LOCATION RD HOSKINS DR  
REMARKS  
TAKEN OFF  
DATE  
TIME  
DISC NO.



## **BLM CONDITIONS OF APPROVAL**

### ***CASING REPAIR, WORKOVER AND RECOMPLETION OPERATIONS:***

1. If casing repair operations are needed, obtain prior approval from this office before commencing repairs. If a CBL or other logs are run, provide this office with a copy.
2. After any casing repair operations, test cement squeeze to a minimum of 500# for 30 minutes with no more than 10 % pressure fall off in the 30 minute test period. Provide test chart with your subsequent report of operations
3. A properly functioning BOP and related equipment must be installed prior to commencing workover, casing repair, and/or recompletion operations.
4. Contact this office at (505) 564-7750 prior to conducting any cementing operations:

### ***SPECIAL STIPULATIONS:***

1. **Pits will be fenced during work-over operation.**
2. **All disturbance will be kept on existing pad.**
3. **All pits will be pulled and closed immediately upon completion of the recompletion and work-over activities.**
4. **Pits will be lined with an impervious material at least 12 mils thick.**