

Submit 1 Copy To Appropriate District Office  
 District I - (575) 393-6161  
 1625 N. French Dr., Hobbs, NM 88240  
 District II - (575) 748-1283  
 811 S. First St., Artesia, NM 88210  
 District III - (505) 334-6178  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV - (505) 476-3460  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised July 18, 2013

OIL CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-21140
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Fasken Oil and Ranch, Ltd.		6. State Oil & Gas Lease No.
3. Address of Operator 6101 Holiday Hill Road, Midland, TX 79707		7. Lease Name or Unit Agreement Name Howell "29" Com
4. Well Location Unit Letter <u>G</u> : <u>1980</u> feet from the <u>North</u> line and <u>2310</u> feet from the <u>East</u> line Section <u>29</u> Township <u>20S</u> Range <u>25E</u> NMPM County <u>Eddy</u>		8. Well Number <u>1G</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3452' GL		9. OGRID Number 151416
10. Pool name or Wildcat Dagger Draw		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Fasken Oil and Ranch, Ltd. Requests to plug and abandon the above well. Please see attached procedure, proposed, and current wellbore diagram.

*Notify NMOC 24 hrs before MFRU*

*\* See Attached COA's*

NM OIL CONSERVATION  
 ARTESIA DISTRICT

JAN 22 2018

RECEIVED

Spud Date:  Rig Release Date:

*Must be Plugged By 1-23-19*

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Addison Long TITLE Regulatory Analyst DATE 1/19/18

Type or print name Addison Long E-mail address: addisong@forl.com PHONE: 432-687-1777

**For State Use Only**

APPROVED BY: [Signature] TITLE Staff Mgr DATE 1-23-18  
 Conditions of Approval (if any):

**Recommended P&A Procedure  
Howell "29" Com No. 1  
AFE 3520**

Objective:	Plug and Abandon
Well:	Howell "29" Com No. 1
Operator:	Fasken Oil & Ranch, Ltd.
Field:	North Seven Rivers (Glorieta/Yeso)
Location:	1980' FNL & 2310' FEL Sec 29, T20S, R25E, Eddy Co., NM
API:	30-015-21140
KB:	15' above GL
Completed:	6-7-74
TD:	3301'
PBTD:	2550', CIBP @ 2595' w/14 sx class "C" by dump bailer 10-7-14
Casing:	13-3/8" @ 202' w/400 sx, Circ to surf. 8-5/8" @ 3240' w/1200 sx, Circ to surf. 4-1/2" 10.5 & 11.6#/ft @ 9673' w/775sx, Cutoff and pulled 6165'.
Tubing:	None
Perfs:	2641'-47' (13h), 2673'-82' (13h), 2621'-27' (13h) U. Yeso, 11/11/10 CIBP @ 2595' w/14sx cmt 2550' PBTD 10/7/14 2784'-3006' (19h, 2jspf, 120deg) L. Yeso, 10/30/10 CIBP 2756' w/6sx 11/17/19 Plug 50 sx 3108'-3301' 8-5/8" shoe plug 10/2010 Plug 75sx 5950'-6253' (Cut 4-1/2" 6165'), 10/2010 CIBP 6690' w/ 35' cement. 10/2010 6736'-52' 10-14-10 7190'-7204' 12-8-05 CIBP 8250' w/ 35' cement 12-5-05 8318'-23' (6h), 8436'-42' (7h), 8568'-76' (9h), 8913'-21' (9h), 9036'-38' (3h). 4/03, Strawn CIBP 9300' w/35' cmt, 5-28-09 9332'-61', 9364'-69', 9470'-78' (45 holes), 10/92, reperf 3/98, 12/01. Morrow. Pkr 9420' Arrowdrill permanent 12/01 9484-9504', (20 holes). Morrow.
PBTD:	2550'
TD:	9675'

1. Test mast anchors.
2. Notify NMOCD of intent to rig up and P&A well.
3. RUPU and cement equipment. Receive 2700' 2-3/8" EUE 8rd J55 workstring.
4. Bleed any pressure from casing. Remove wellhead cap and packoff mandrell. Install 10" 900 companion flange, 10" 900 x 8" 900 spool, 9" 3K manual BOP (see TA workover summary attached) with 2-3/8" pipe and blind rams.
5. RIW with 2-3/8" notched collar, SN, 2-3/8" EUE 8rd J-55 tubing and tag PBTD 2550'.
6. Pump via tubing 146 bbls 9.5#/gal gel ladened mud 2550'-252'. *Pressure Test Casing*
7. POW laying down tubing to 252' (50' below 8-5/8" shoe at 202') *Perf @ 252' - Attempt to Sqz*
8. Pump 68 sacks class "C" cement 252'-surface. POW laying down tubing.

9. ND BOP and B-section. Cut off wellhead with good cement on 8-5/8" casing. Weld on 3/8" plate on top of 13-3/8" casing with 1" hole in plate center of 4" marker joint welded on plate w/ 1" nipple and valve in top of marker it with valve, closed valve and removed handle.

*See Attached Dry Hole Marker Requirements*

10. Cut off anchors, backfill cellar and rig anchors.

cwb  
6-22-17

(M:\Common\WELLFILE\HHHowell 29 Com 1\How291 afe3520 P&A pro 6-22-17.doc)

# Howell "29" No. 1

Proposed P&A as of 6-22-17

GL: 3452', KB: 3557'

Operator: **Fasken Oil and Ranch, Ltd.**  
 Location: 1980' FNL and 2310' FEL  
 Sec 29, T20S, R25E  
 Eddy County, NM

Compl.: 5/9/1974 released rig  
 API #: 30-015-21140  
 TD: 9675'

**PBTD:** 2550' (tbg tag), CIBP @ 2595' w/14sx "C" cmt  
**Casing:** 13-3/8" 48# H-40 @ 202'  
 w/200sx Lite + 100sx "C", circ 102 sx  
 TOC surf  
 8-5/8" 32&24# K-55 @ 3240.20' KB  
 w/1000sx Lite + 200sx "C", circ 165sx  
 TOC surf  
 4-1/2" 10.5&11.6# N-80,J-55 & K-55 @ 9673'  
 775sx Incor w/7.6# NaCl/sk  
 TOC 6244' by CBL

**Tubing:** None

**Proposed:**

**Plug5** 0'-252', 68sx"C",Shoe & Surface  
**Mud** 252'-2550' 9.5#/gal gel ladened mud

**CIBP** 2595' (3 dmp blr runs, 14sx, 35"C" cmt, 10-7-14)  
Bone Spring 6425'

**Perfs:**

U. Yeso 2621'-27' 13h, 2jspf, 120<sup>o</sup>ph 11/11/2010  
 Tot 45 h 2641'-47' 13h, 2jspf, 120<sup>o</sup>ph 11/11/2010

2673-82' 19h, 2jspf, 120<sup>o</sup>ph Wolfcamp 7560'

CIBP 2756' (6sx "C" cmt) 11/17/10 Cisco 7975'

L. Yeso 2784'-3008' Tot 66h 10/30/2010

Plug2 3301'-3108' 50sx "C" Canyon 8455'

Plug1 Cutoff 6150' 75 sx "C" Strawn 8910'

CIBP 6690' w/35" "H" cmt Atoka 9290'

**Perfs:** 6736'-52' 1jspf, 10/14/10  
 7190'-7204' (15h), 12-8-05

**CIBP** 8250' w/35' 9300' w/35' cmt 9332'-61' 9364'-69'

**Perfs:** 8318'-9038' (Apr '03, 34h) Strawn

**CIBP** 9300' w/35' cmt 5/28/2009 9420' 9470'-78'

**Perfs:** Morrow Morrow 9505' 9470'-78' 9484'-9504'

9332'-61' (Oct '92,30h) Reper 3/98, 12/01

9364'-69' (Oct '92, 6h) Reper 3/98, 12/01

9470'-78' (Oct '92, 9h) Reper 3/98

**Pkr** 9420' Arrowdrill pkr Dec '01 Barnett Sh 9625' 9420'  
 9484'-9504' 20h, 0.33" IHD Reper 3/98 9470'-78'  
 9484'-9504' 20h, 0.33" IHD Reper 3/98 9484'-9504'

**Junk CIBP** 9810' set Aug '79, pushed to 9810' Jan '98 9675'  
 775sx Incor w/7.6# NaCl/sk TD: 4-1/2" 10.5&11.6# N-80,J-55 & K-55 @ 9673'

Tops

Seven Rvrs 770'

San Andres 2440'

Glorieta 3295'

Bone Spring 6425'

Wolfcamp 7560'

Cisco 7975'

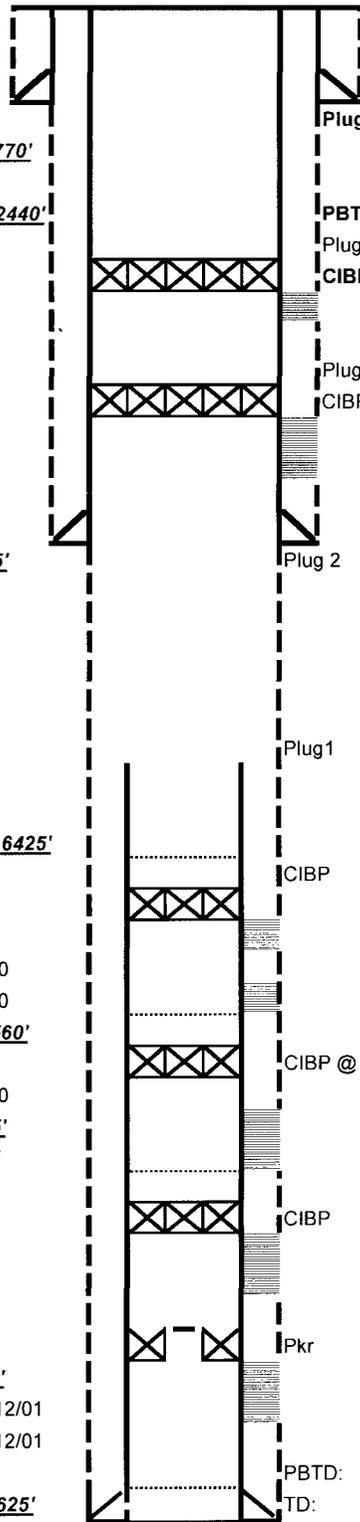
Canyon 8455'

Strawn 8910'

Atoka 9290'

Morrow 9505'

Barnett Sh 9625'



Plug6, 0'-100', 27sx"C",Surface plug  
 13-3/8" 48# H-40 @ 202'  
 TOC surf

Plug5 0'-252', 68sx"C",Shoe & Surface

PBTD 2550' (tbg tag)

Plug 4

CIBP CIBP @ 2595' w/14sx "C" cmt  
 2621'-82' (45h) 11/11/2010

Plug 3

CIBP 2756' (6sx "C" cmt) 11/17/10  
 2784'-3008'

8-5/8" 32&24# K-55 @ 3240.20' KB  
 TOC surf

Plug 2

50sx "C" 3301'-3108' (tagged)

Plug1

75 sx "C" 5950'(tagged)-6253'  
 4-1/2" cufoff +/-6165' (prtl cut 6200')

TOC 6244' by CBL  
 6690' w/35' cmt

6736'-52'

7190'-7204'

CIBP @ 8250' w/35' cmt

8318'-9038'

CIBP 9300' w/35' cmt

9332'-61'

9364'-69'

Pkr 9420'

9470'-78'

9484'-9504'

9535'

PBTD: 9675'

TD: 4-1/2" 10.5&11.6# N-80,J-55 & K-55 @ 9673'

775sx Incor w/7.6# NaCl/sk

cwb

6-22-17

How291 wb diagram.xls

# Howell "29" No. 1

Current TA as of 10-7-14

Operator: **Fasken Oil and Ranch, Ltd.**  
 Location: 1980' FNL and 2310' FEL  
 Sec 29, T20S, R25E  
 Eddy County, NM  
 Compl.: 5/9/1974 released rig  
 API #: 30-015-21140  
 TD: 9675'  
**PBTD: 2550' (tbq tag), CIBP @ 2595' w/14sx "C" cmt**  
**Casing: 13-3/8" 48# H-40 @ 202'**  
 w/200sx Lite +100sx "C", circ 102 sx  
 TOC surf  
**8-5/8" 32&24# K-55 @ 3240.20' KB**  
 w/1000sx Lite + 200sx "C", circ 165sx  
 TOC surf  
**4-1/2" 10.5&11.6# N-80,J-55 & K-55 @ 9673'**  
 775sx Incor w/7.6# NaCl/sk  
 TOC 6244' by CBL

**Tubing: None**

**CIBP 2595' (3 dmp blr runs, 14sx, 35" "C" cmt, 10-7-14)**

**Perfs:**

U. Yeso 2621'-27' 13h, 2jspf, 120°ph 11/11/2010  
 Tot 45 h 2641'-47' 13h, 2jspf, 120°ph 11/11/2010  
 2673'-82' 19h, 2jspf, 120°ph 11/11/2010

CIBP 2756' (6sx "C" cmt) 11/17/10  
 L. Yeso 2784'-3008' Tot 66h 10/30/2010

Plug2 3301'-3108' 50sx "C"  
 Plug1 Cutoff 6150' 75 sx "C"

CIBP 6690' w/35' "H" cmt  
**Perfs:** 6736'-52' 1jspf, 10/14/10 Wolfcamp  
 7190'-7204' (15 cmt) Wolfcamp

**CIBP 8250' w/35'**

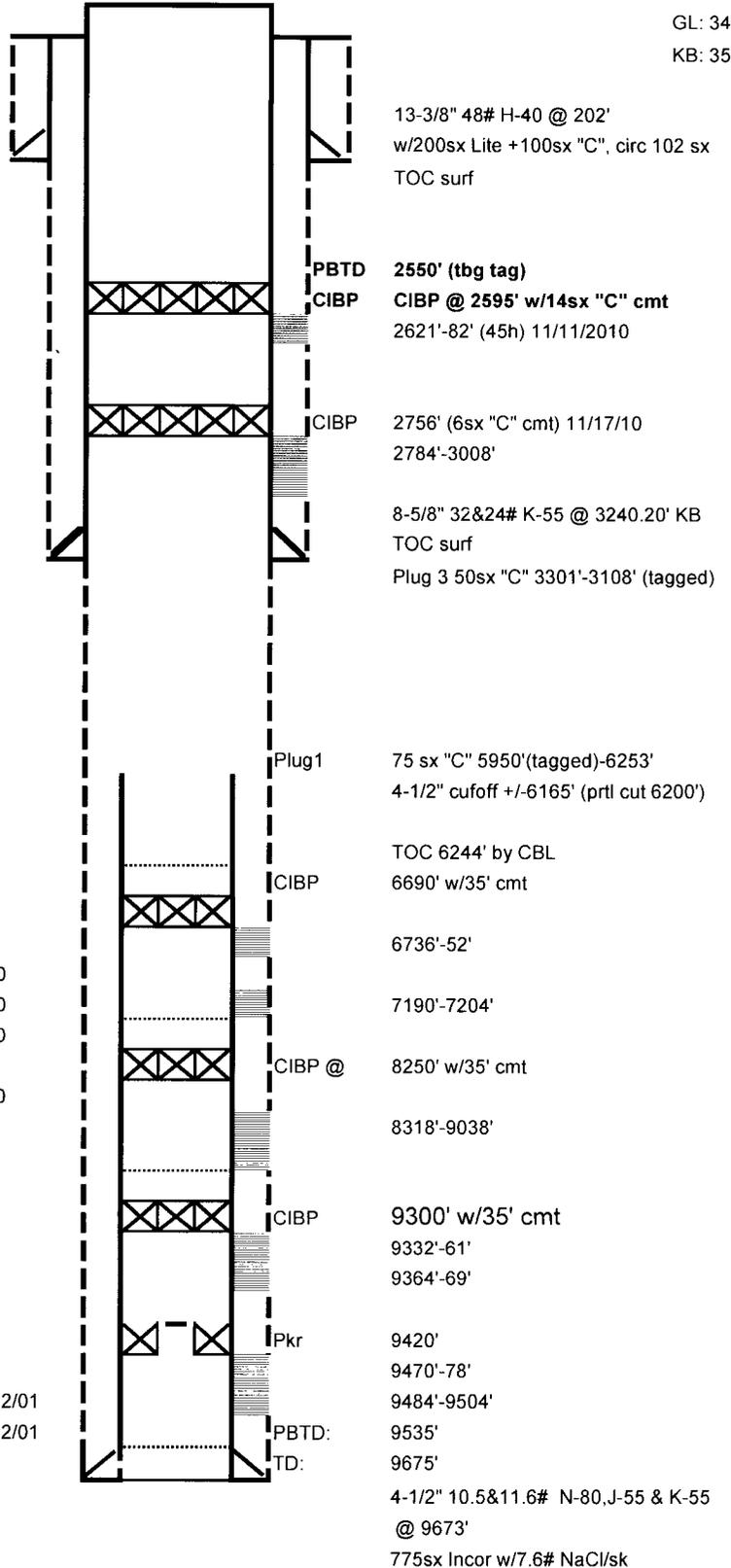
**Perfs:** 8318'-9038' (Apr '03, 34h) Strawn

**CIBP 9300' w/35' cmt 5/28/2009**

**Perfs:** Morrow  
 9332'-61' (Oct '92, 30h) Reperf 3/98, 12/01  
 9364'-69' (Oct '92, 6h) Reperf 3/98, 12/01  
 9470'-78' (Oct '92, 9h) Reperf 3/98

**Pkr 9420'** Arrowdrill perm pkr Dec '01  
 9484'-9504' 20h, 0.33" IHD Reperf 3/98

**Junk CIBP 9810'** set Aug '79, pushed to 9810' Jan '98



GL: 3452'  
 KB: 3557'

13-3/8" 48# H-40 @ 202'  
 w/200sx Lite +100sx "C", circ 102 sx  
 TOC surf

**PBTD 2550' (tbq tag)**  
**CIBP @ 2595' w/14sx "C" cmt**  
 2621'-82' (45h) 11/11/2010

**CIBP 2756' (6sx "C" cmt) 11/17/10**  
 2784'-3008'

8-5/8" 32&24# K-55 @ 3240.20' KB  
 TOC surf  
 Plug 3 50sx "C" 3301'-3108' (tagged)

Plug1 75 sx "C" 5950'(tagged)-6253'  
 4-1/2" cufoff +/-6165' (prtl cut 6200')

**CIBP 2595' (3 dmp blr runs, 14sx, 35" "C" cmt, 10-7-14)**  
 TOC 6244' by CBL  
 6690' w/35' cmt

6736'-52'

7190'-7204'

**CIBP @ 8250' w/35' cmt**

8318'-9038'

**CIBP 9300' w/35' cmt**  
 9332'-61'  
 9364'-69'

**Pkr 9420'**

9470'-78'

9484'-9504'

**PBTD: 9535'**

**TD: 9675'**

4-1/2" 10.5&11.6# N-80,J-55 & K-55  
 @ 9673'

775sx Incor w/7.6# NaCl/sk

cwb

6-22-17

How291 wb diagram.xls

## CONDITIONS FOR PLUGGING AND ABANDONMENT

### District II / Artesia N.M.

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, **Notify NMOCD District Office II at (575)-748-1283 at least 24 hours before beginning work.**

1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs.
2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
3. Trucking companies being used to haul oilfield waste fluids to a disposal – commercial or private – shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator as well as the contractor, to verify that this permit is in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.
4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
6. If the well is not plugged within 1
7. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.
8. **Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.**
9. Produced water **will not** be used during any part of the plugging operation.
10. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
11. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
12. **Class 'C' cement will be used above 7500 feet.**
13. **Class 'H' cement will be used below 7500 feet.**
14. **A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged**
15. **All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing**

16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set
17. **A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.**
18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, **(WOC 4 hrs and tag).**
19. **No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole.**
20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops
  - A) Fusselman
  - B) Devonian
  - C) Morrow
  - D) Wolfcamp
  - E) Bone Springs
  - F) Delaware
  - G) Any salt sections
  - H) Abo
  - I) Glorieta
  - J) Yates.
  - K) **Potash---** (In the R-111-P Area (Potash Mine Area), a solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, **WOC 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.**
21. **If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, WOC and tagged. These plugs will be set 50' below formation bottom to 50' above formation top inside the casing**

#### **DRY HOLE MARKER REQUIREMENTS**

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least ¼" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

**1. Operator name 2. Lease and Well Number 3.API Number 4. Unit Letter 5. Quarter Section (feet from the North, South, East or West) 6. Section, Township and Range 7. Plugging Date 8. County (SPECIAL CASES)-----AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS**

In these areas, a below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)