

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

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

Form C-103
Revised July 18, 2013

WELL API NO.	30-015-21587
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	E-2211
7. Lease Name or Unit Agreement Name	STATE
8. Well Number	4
9. OGRID Number	025542
10. Pool name or Wildcat	N. BENSON (QUEEN, GRAYBURG)
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,400' GR	

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.)

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

2. Name of Operator
YATES ENERGY CORPORATION

3. Address of Operator
P.O. BOX 2323 ROSWELL, NM 88202

4. Well Location
Unit Letter J : 1,980 feet from the SOUTH line and 2,310 feet from the EAST line
Section 32 Township 18S Range 30E NMPM County EDDY

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

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.

SEE ATTACHED DOCUMENT DETAILING PLUGGING PROCEDURES.

NM OIL CONSERVATION
ARTESIA DISTRICT
OCT 06 2017

RECEIVED

Spud Date:

Rig Release Date:

WELL MUST BE PLUGGED BY 10/10/2018

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

SIGNATURE [Signature] TITLE CONSULTING ENGINEER DATE

Type or print name MICHAEL STEWART E-mail address: MSTEWARD@HELMSOIL.COM PHONE: (432) 682-1122

For State Use Only

APPROVED BY: [Signature] TITLE COMPLIANCE OFFICER DATE 10/10/2017
Conditions of Approval (if any):

SEE ATTACHED COA-5

Yates Energy Corp.
State #4
1,980' FSL & 2,310' FEL, Sec. 32, Township 18S, Range 30E
Eddy Co. NM
API No 30-015-21587

Plug and Abandon Wellbore

- 1 **Notify NMOCD District 2 office (575) 748-1283 and provide min 24 hr notification of commencement of P&A activities.**
- 2 Test WSU anchors.
- 3 Set 250 bbl steel FB tank. All fluids must be contained to steel tanks and hauled to NMOCD approved disposal.
- 4 Bled 4-1/2" casing off to FB tank. Bled 8-5/8" x 4-1/2" annulus off to FB tank.
- 5 Order Vac Truck w/ 9.5 cut BW for circulating and displacement.
- 6 MIRU WSU.
- 7 POOH w/ rod & pump laying down.
- 8 ND WH & NU BOP.
- 9 POOH w/ 100 2-3/8" jts, SN, 4' perforated sub, MA.
- 10 RU Wireline & RIH w/ gauge ring to 2,550'. POOH.
- 11 PU 4-1/2" 9.5 ppf CIBP. RIH & set at 2,550'. POOH. PU bailer & dump bail 25' cmt on top of CIBP. POOH & RD E-Line. — *WOC & TAG* — *ADD A PLUG 50' BELOW TOE TO 50' ABOVE TOE*
- 12 RIH w/ 2-3/8" WS & circulate WB w/ 9.5 ppg mud laden fluid. *WOC & TAG (TOE TO BE DETERMINED BY CBL)*
- 13 RU E-Line. RIH w/ sqz guns and shot sqz holes @ 1,610'. RD E-Line.
- 14 MIRU cementing / plugging equipment
- 15 PU 4-1/2" tension pkr & RIH on 2-3/8" WS to ± 1,510'. Set pkr and attempt to pump into sqz holes.
 - a. If successful, release pkr and PUH w/ tbg & pkr to 1,300' & set pkr. Mix and pump 50 sx (66 cuft) Class C out sqz perfs @ 1,610'. Displace cement to 1,460'. WOC. RIH & tag TOC. If tag below 1,510' mix & spot required amount
 - b. If unable to pump into sqz holes POOH w/ 2-3/8" tbg & LD pkr. RIH w/ 2-3/8" WS OE to 1,660' (50' below sqz holes). RU cementer. Mix & spot 30 sx (40 cuft) Class C from 1,660' to 1,226' (434'). WOC & tag no lower than 1,560'.
- 16 POOH w/ 2-3/8" tbg.
- 17 RU E-line. RIH w/ sqz guns and shot sqz holes @ 660'. RD E-Line.
- 18 PU 4-1/2" tension pkr & RIH on 2-3/8" WS to ± 550'. Set pkr and attempt to pump into sqz holes.
 - a. If successful, release pkr and PUH w/ tbg & pkr to 300'. Set pkr. Mix and pump 130 sx (171 cuft) Class C out sqz holes @ 660' & circ 8-5/8" x 4-1/2" w/ cmt to surface. Displace cement to 510'. WOC. RIH & tag TOC. If tag below 560' mix & spot required amount.
 - b. If unable to pump into sqz holes POOH w/ 2-3/8" tbg & LD pkr. RIH w/ 2-3/8" WS OE to 710' (50' below sqz holes). RU cementer. Mix & spot 30 sx (40 cuft) Class C from 710 to 276' (434'). WOC & tag no lower than 610'.
- 18 RIH w/ 2-3/8" WS OE to 150'. RU cementer. Mix & spot ± 10 sx plug from 150' filling 4-1/2" casing to surface. POOH w/ 2-3/8" tbg.
- 19 ND BOP and make visual confirmation that cement is at surface.

Yates Energy Corp.

State #4

1,980' FSL & 2,310' FEL, Sec. 32, Township 18S, Range 30E

Eddy Co. NM

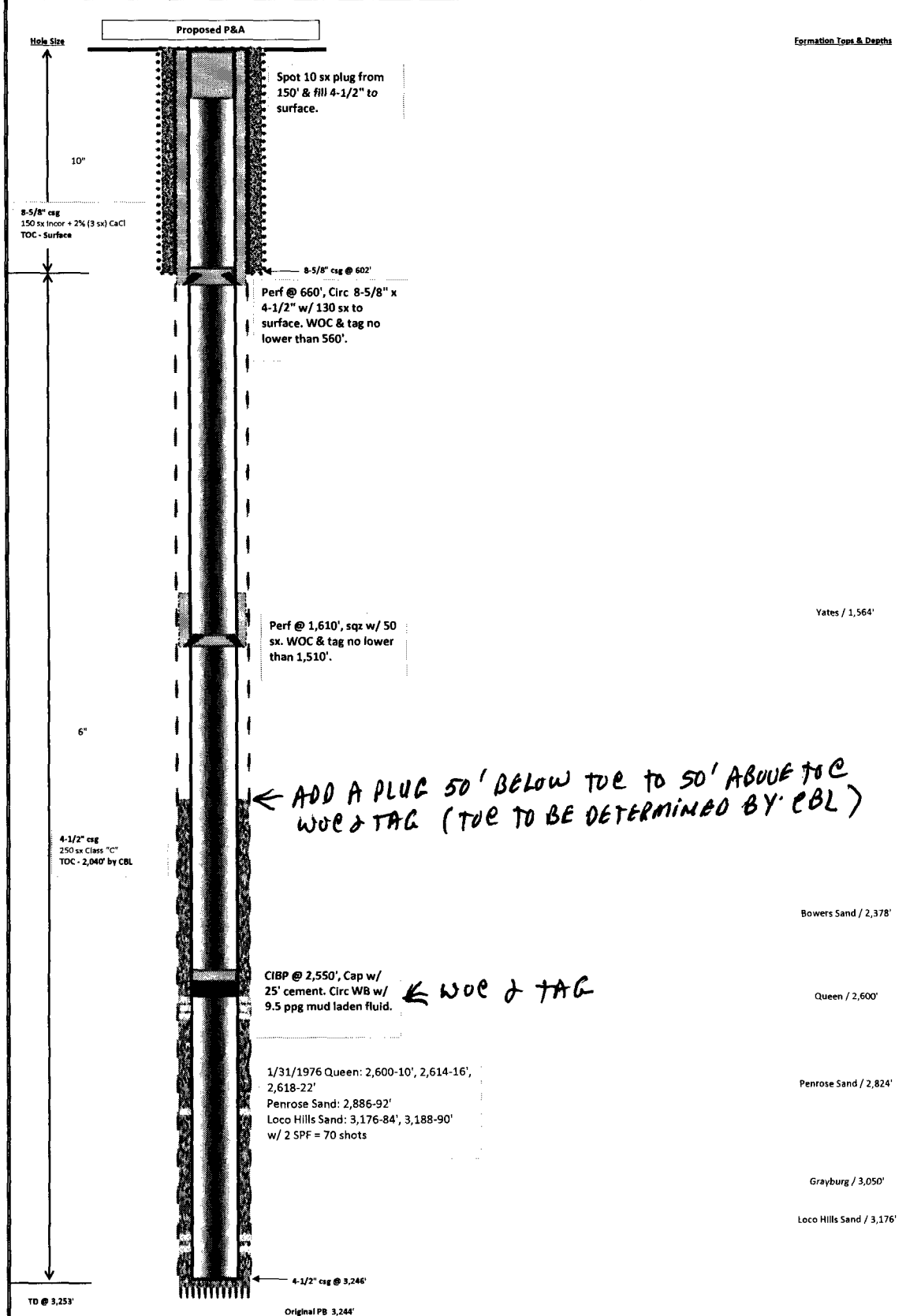
API No 30-015-21587

- a. If no cement visible at surface RIH w/ 2-3/8" tbg, tag TOC and mix and pump required volume of cement to fill 4-1/2" casing to surface.

- 20 Cut off WH & casing strings 4' below GL.
- 21 RD & release all rental equipment. RD WSU.
- 22 Install NMOCD 4" P&A marker 10' length w/ 4' above GL inscribed w/ well name & No, operator name, lease SN, API No and legal location (Qtr./Qtr. Section, Section, Township & Range).
- 23 Cut anchors. Fill cellar. Back drag and dress location. Remove all production equipment, flowlines and trash.
- 24 Within 30 days after plugging complete & file Subsequent Report of Abandonment, Form 3160-5, to BLM Carlsbad office.

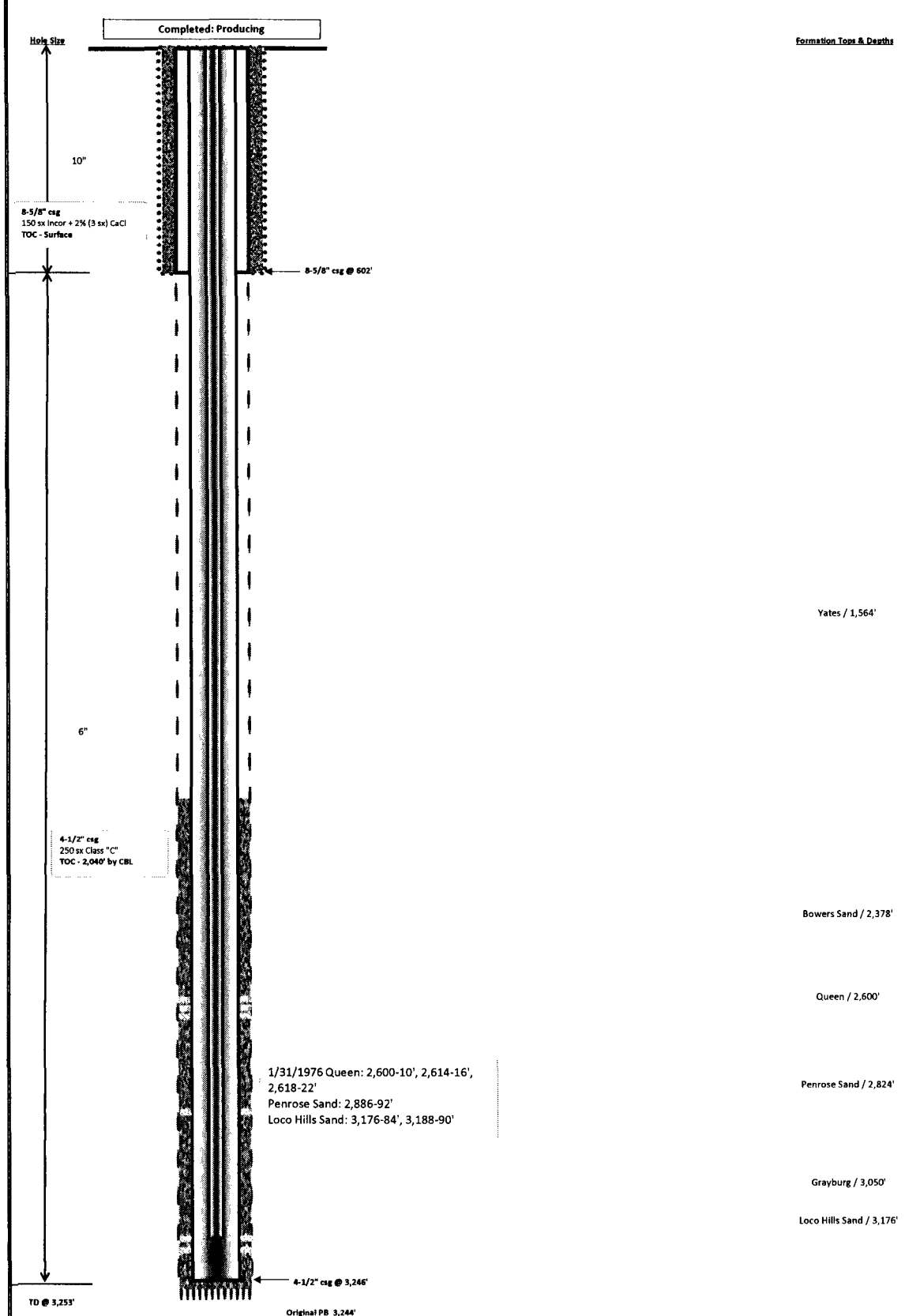
**Yates Energy Corp.
Wellbore Diagram**

WELL NAME:	State #4				FIELD:	N. Benson Queen Grayburg		
LOCATION:	1,980' FSL & 2,310' FEL Sec. 32, Township 18S, Range 30E				COUNTY:	Eddy	STATE:	New Mexico
ELEVATION:	3,400' GR	3,401' DF	3,410' KB (10')		SPUD DATE:	8/28/1975	COMP DATE:	2/7/1976
API#	30-015-21587				PREPARED BY:	R. Robbins 1/21/2015		
	DEPTH	HOLE SIZE	SIZE	WEIGHT	GRADE	THREAD	CEMENT / TOC	
CASING:	602'	10"	8-5/8"	28#	K 55	--	150 sx / Surf	
CASING:	3,246'	6"	4-1/2"	9.5#	1-55	--	260 sx Class "C" / 2,040' CBL	
CURRENT TUBING:	3,147'	N/A	2-3/8"	4.7#	1-55	EUE 8rd		



**Yates Energy Corp.
Wellbore Diagram**

WELL NAME: State #4				FIELD: N. Benson Queen Grayburg			
LOCATION: 1,980' FSL & 2,310' FEL, Sec. 32, Township 18S, Range 30E				COUNTY: Eddy	STATE: New Mexico		
ELEVATION: 3,400' GR 3,401' DF 3,410' XB (10')				SPUD DATE: 8/26/1975	COMP DATE: 2/1/1976		
API# 30-015-21587				PREPARED BY: R. Gordon 1/21/2015			
	DEPTH	HOLE SIZE	SIZE	WEIGHT	GRADE	THREAD	CEMENT / TOC
CASING:	602'	10"	8-5/8"	28#	K-55	---	150 ss / Surface
CASING:	3,246'	6"	4-1/2"	9.5#	J-55	---	260 ss Class "C" / 2,040 CBL
CURRENT TUBING:	3,147'	N/A	2-3/8"	--	J-55	EUE 8rd	



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