

RECEIVED
OCT 20 2009
HOBBS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

EC

FORM APPROVED
OMB NO. 1004-0135
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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM0245247
2. Name of Operator CHESAPEAKE OPERATING, INC.		6. If Indian, Allottee or Tribe Name
Contact: LINDA GOOD E-Mail: linda.good@chk.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address P.O. BOX 18496 OKLAHOMA CITY, OK 73154-0496	3b. Phone No. (include area code) Ph: 405-935-4275	8. Well Name and No. EDITH FEDERAL 1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 25 T18S R33E SESW 660FSL 2310FWL		9. API Well No. 30-025-28856
Unit N		10. Field and Pool, or Exploratory TENTON
		11. County or Parish, and State E.K. Delaware LEA COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recompleate 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 recompleation 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.)

Chesapeake, respectfully, requests permission to recompleate this well in the Delaware Formation per the following proposed procedure:

Drill TD: 10,566' Original PBTD: 10,490' Current PBTD: 10,530'

1. MIRU Service rig, pipe racks or float, flow back tank(s), and toilet.
2. Unseat pump. Hot-oil rod & tubing. Lay down all but the rods necessary for Delaware production. Visually inspect rods & couplings.
3. ND wellhead. NU BOPE.
4. Release TAC. POOH. Lay down all but +6,100' of tubing. (See #6 below).
5. MIRU wire line unit. Make casing ring unit. Will set CIBP @ 9,400' + (within 50' of top perf).
6. Load hole w/clean 2% mud. Note: Check w/BLM on Plug Mud requirements for cavity between CIBP.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL



14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #74865 verified by the BLM Well Information System For CHESAPEAKE OPERATING, INC., sent to the Hobbs	
Name (Printed/Typed) LINDA GOOD	Title SR. REGULATORY COMPLIANCE SPEC
Signature (Electronic Submission)	Date 09/28/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By	Casing, Formation Tops, Existing Perfs, Proposed Perfs, Proposed Plugs, Proposed Title Perfs, Proposed Plugs, Proposed Sqz Perfs and Proposed
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.	PETROLEUM ENGINEER OCT 23 2009
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	Office

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

Additional data for EC transaction #74865 that would not fit on the form

32. Additional remarks, continued

and proposed squeeze holes.

7. Bond Long well from CIBP to TOC or 500' into intermediate casing whichever is higher.
8. Pressure test casing to 1,000 psi.
9. RU bailer & dump-bail a minimum of 35' CLASS 'H' cement on top of CIBP. (2 runs).
10. RU pack-off. RIH w/casing gun & perforate squeeze holes from 6,150' to 6,152' w/4 holes total phased 90 degrees.
11. Establish circulation thru squeeze holes & production x intermediate casing annulus. Circulate clean.
12. WL set Retainer @ 6,150'. Stand-down wireline.
13. MU stinger & tubing & hydrotest in hole to 4,500 psi.
14. Circulate hole clean. Sting into retainer & re-establish circulation.
15. RU cementers and squeeze manifold. Block squeeze Delaware formation. Sting out. Circulate hole clean w/2% KCl. RD Cementers.
16. POOH w/stinger & WOC
17. RUN CBL.
18. Perf 2nd Delaware from 5,674' to 5,724' (50') w/2 spf @ 60 or 120 degree phase. RD WL.
19. MU packer & SN & TIH. Set packer @ +5,550'.
20. Swab test perfs.
21. MIRU acid trucks to acidize well w/+2500 gallons of 7.5% HCL NeFe Acid and + 125 ball sealers. Design to follow.
22. Swab test well.
23. Release packer & run through perfs.
24. Swab csg & tbg from rathole to remove acid & swab well down. POOH w/pkr & tubing.
25. ND BOPE & NU frac valve or frac well utilizing tree saver thru BOP's. Design to follow.
26. Flow back well to tank. NU BOPE, if necessary.
27. MU notch collar, SN & tubing and TIH to swab test well.
28. POOH w/tubing. clean out adequate rat-hole if necessary.
29. Run pumping tubing assembly (MA, perf sub, SN, 12 jts, 30K set TAC & tubing) and lay down any unnecessary tubing in order to land perf sub + 125' below perfs.
30. ND BOP. Set TAC. NU wellhead.
31. Swab well before running pump.
32. MU 2.5" x 1.50" x ?' RHAC pump on 1.5" KBars, 3/4" & 7/8" Class D rods. Design to follow. Space out to leave 4-6' of polish rod available for subsequent rod tag.
33. Load & test tubing w/2% KCl water or clean produced Delaware water.
34. Place well on production.
35. RMDO service unit.

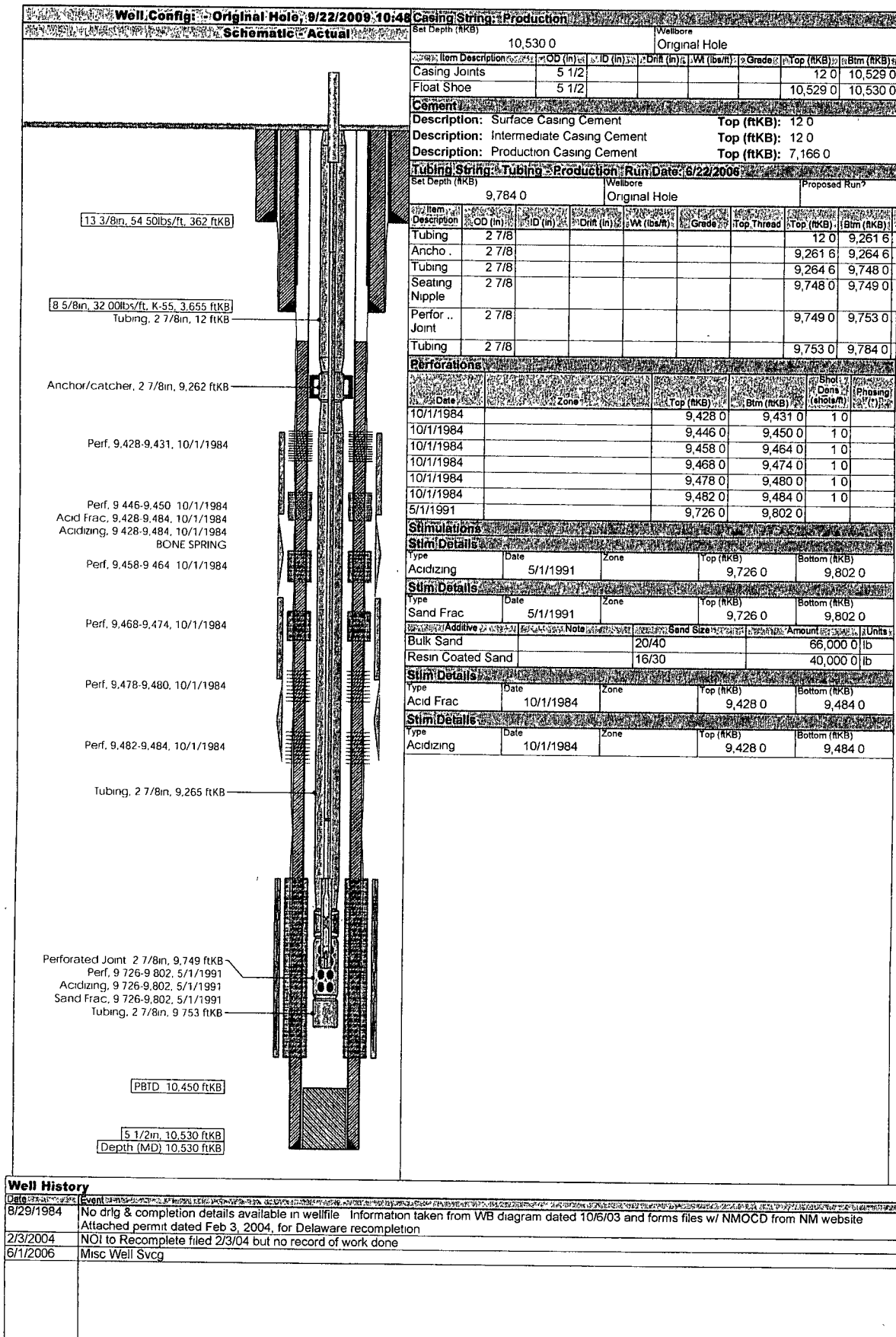
ATTACHMENTS: Current & Proposed Wellbore Diagrams & Procedure. (Proposed Procedure shows the Casing, Formation Tops, Existing Perfs, Proposed Plugs, Proposed Sqz Perfs and Proposed Production Perfs)

(CHK PN 890759)

WELL: EDITH FEDERAL 1
 FIELD: E K Bone Spring
 COUNTY / STATE: LEA / NEW MEXICO
 LOCATION: 2,310.0 FWL & 660.0 FSL OF THE SVY, SEC 25, A-
 ELEVATION: 3,864.00 GR 3,876.00 RKB

CURRENT WELLBORE SCHEMATIC

PN: 890759 Chesapeake
 API: 3002528856
 SPUD DATE: 8/29/1984
 RIG RELEASE: 9/28/1984
 FIRST SALES:



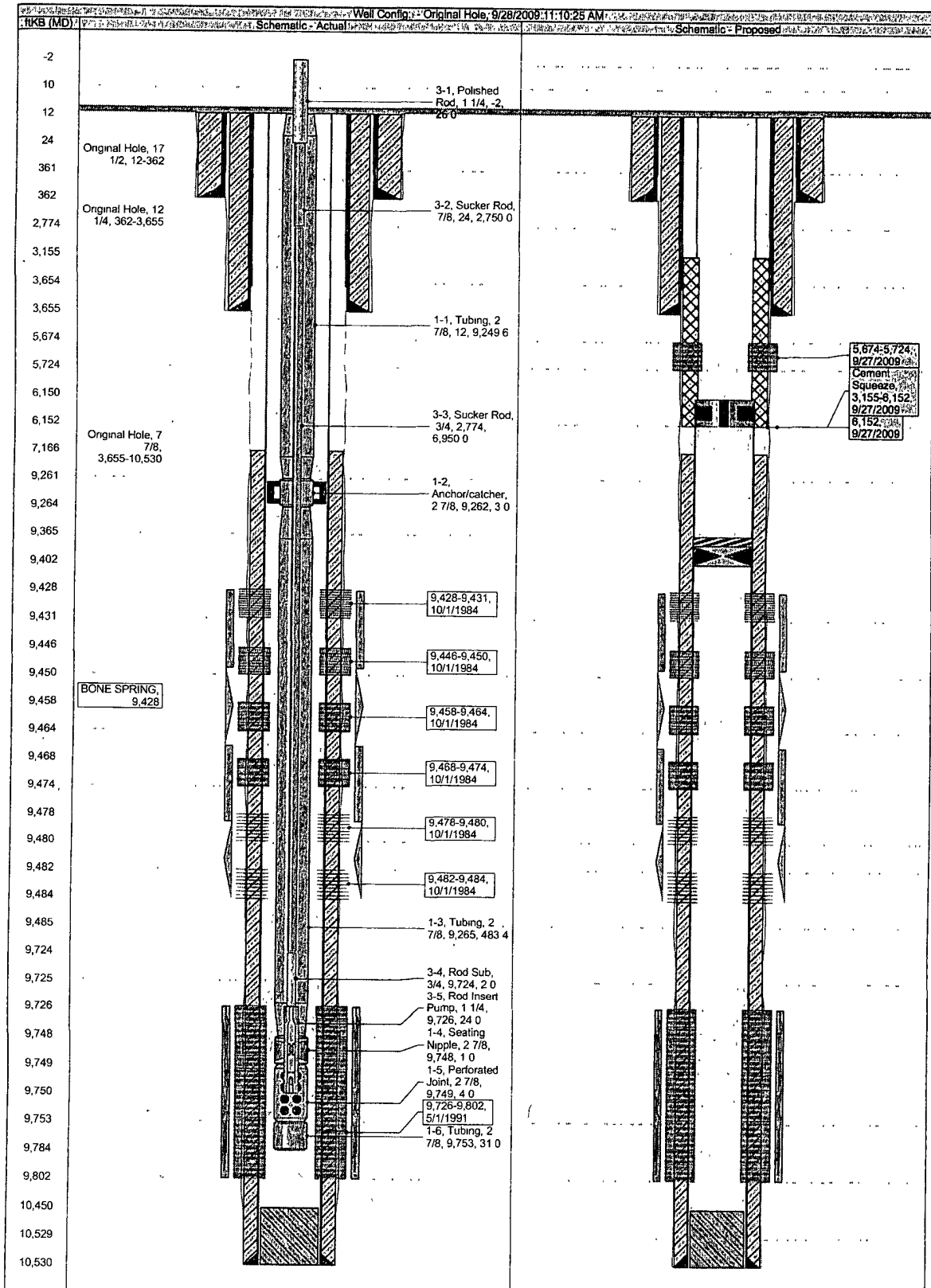


Proposal for Workover

EDITH FEDERAL 1

Field: E K Bone Spring
County: LEA
State: NEW MEXICO
Location: SEC 25, 18S-33E, 660 FSL & 2310 FWL
Elevation: GL 3,864.00 KB 3,876.00
KB Height: 12.00

Spud Date: 8/29/1984
Initial Compl. Date:
API #: 3002528856
CHK Property #: 890759
1st Prod Date: 10/31/1984
PBDT: Original Hole - 10450.0
TD: 10,530.0



District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 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 30-025-28856	'Pool Code 21655	'Pool Name E-K; Delaware ✓
'Property Code	'Property Name Edith Federal /	'Well Number 1 ✓
'OGRID No. 147179	'Operator Name Chesapeake Operating, Inc. /	'Elevation 3864' GR

¹⁰ Surface Location

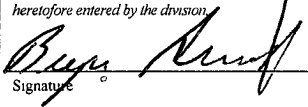
UL or lot no. N	Section 25	Township 18S	Range 33E	Lot Idn	Feet from the 660'	North/South line South	Feet from the 2310'	East/West line West	County Lea ✓
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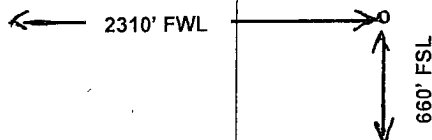
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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"Dedicated Acres 40	"Joint or Infill	"Consolidation Code	"Order No.
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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.

16				¹⁷ OPERATOR CERTIFICATION <i>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 or has a right to drill this well at this 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.</i>  Signature 10/21/2009 Date Bryan Arrant Printed Name
				¹⁸ SURVEYOR CERTIFICATION <i>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</i>
				Date of Survey Signature and Seal of Professional Surveyor.
				Please refer to original plat
				Certificate Number



Chesapeake Operating, Inc.
Edith Federal # 1
SESW Sec. 25, T18S-R33E
Lea County, New Mexico
API # 30-025-28856

Bone Spring P&A and Delaware Re-Completion Procedure
August 11, 2009

Drill TD: 10,566' Original PBTD: 10,490' Current PBTD: ? KB 12'

CASING:

13-3/8", 54.5# @ 362' KB in 17.5" hole.

Cemented w/400 sacks type 'C' to surface.

8.625", 32# @ 3,665' in 12.25" hole.

Cmt w/1,600 sacks 'H' Lite and 200 sacks neat to surface.

5.5", 17, 20 & 23#, N80 @ 10,566' in 7.875" hole.

650 sacks 50:50 type 'H'. Calculated fill of 3,400' assuming 30% excess. Estimated TOC @ 7,166'.

FORMATION TOPS: (*GL Elevation = 3,864', KB Elevation = 3,876'*)

Rustler	?"
Base of Salt	?"
Queen	4,361'
Penrose	4,631'
Delaware	5,352'
1 st Delaware Sand	5,390'
2 nd Delaware Sand	5,648'
Bone Spring	7,536'
2 nd Bone Spring Sand	9,422'
Wolfcamp	10,477'

EXISTING PERFORATIONS:

9,428 – 9,484'	(23' net perfs, 46 holes)	2 ND Bone Spring Sand - Oct. 1984
9,726 – 9,802'	(76' ? perfs, ? holes)	Lower Bone Spring Sand - May 1991

PROPOSED PLUG(s): (*Permanently Abandon all Bone Spring Perfs & Depths Below*)

9,400'	CIBP Depth + 35' Cmt Cap to P&A. TOC @ ± 9,415'
6,100'	Cement Retainer Utilized for Squeeze TOC @ 3,100'

PROPOSED SQUEEZE PERFORATIONS: (*To Block Squeeze Delaware Sand*)

6,150' – 6,152'	(2', 4 holes @ 90% phasing)
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PROPOSED PRODUCTION PERFORATIONS: (*2ND Delaware Sand*)

5,674' – 5,724'	(50' perfs) 2 spf, 60 - 120 degree phased
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PROPOSED PROCEDURE:

1. MIRU Service rig, pipe racks or float, flow back tank(s), and toilet.
2. Unseat pump. Hot-oil rods & tubing. Lay down all but the rods necessary for Delaware production. Visually inspect rods & couplings.
3. ND wellhead. NU BOPE.
4. Release TAC. POOH. Lay down all but $\pm 6,100'$ of tubing. (See #6 below).
5. MIRU wire line unit. Make gauge ring run. WL set CIBP @ $9,400' \pm$ (w/in 50' of top perf).
6. Load hole w/clean 2% KCL. Note: Check w/BLM on Plug Mud requirements for cavity between CIBP and proposed squeeze holes.
7. Bond Long well from CIBP to TOC or 500' into intermediate casing whichever is higher.
8. Pressure test casing to 1,000 psi.
9. RU bailer & dump-bail a minimum of 35' **CLASS 'H'** cement on top of CIBP. (2 runs).
10. RU pack-off. RIH w/casing gun & perforate squeeze holes from 6,150 to 6,152 w/4 holes total phased 90 degrees.
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16. POOH w/stinger & WOC
17. Run CBL.
18. Perf. 2nd Delaware from 5,674 to 5,724' (50') w/2 spf @ 60 or 120 degree phase. RD WL.
19. MU packer & SN & TIH. Set packer @ $\pm 5,550'$.
20. Swab test perfs.
21. MIRU acid trucks to acidize well w/ $\pm 2,500$ gallons of 7.5% HCL NeFe Acid and ± 125 ball sealers. Design to follow.
22. Swab test well.
23. Release packer & run through perfs.
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33. Load & test tubing w/2 % KCl water or clean produced Delaware water.
34. Place well on production.
35. RDMO service unit.

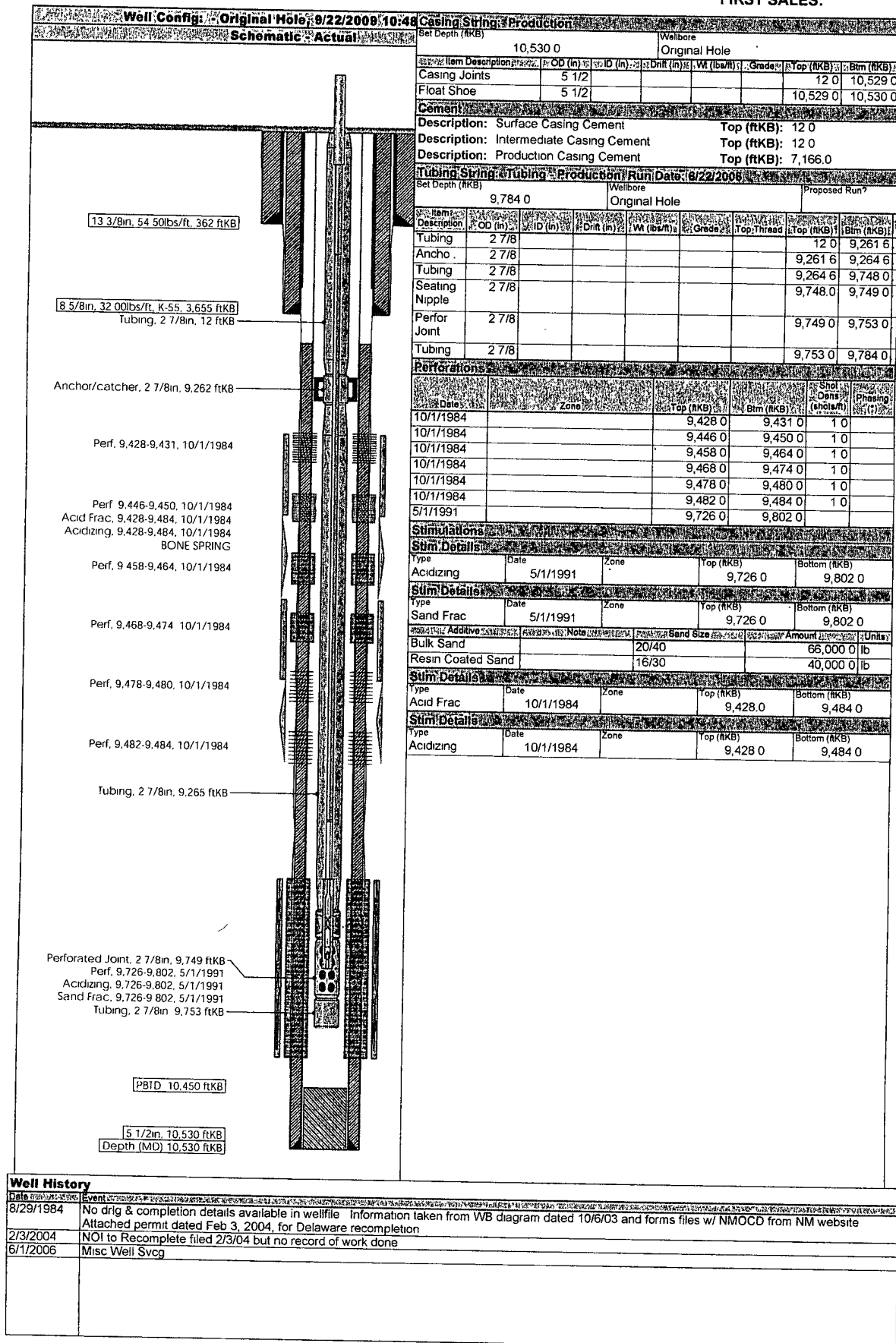
REMARKS:

- Shoot fluid level to determine BHP of Bone Spring perms prior to starting work.
- Provide at least 48 hours notice before abandonment of Bone Spring perms to BLM's Wesley Ingram at (575) 234-5982 and to the New Mexico Oil Conservation Commission (575) 393-6161. Note contact information on reports.
- Note the transfer of any tubing, rods, or other equipment from location on morning report.

WELL: EDITH FEDERAL 1
 FIELD: E K Bone Spring
 COUNTY / STATE: LEA / NEW MEXICO
 LOCATION: 2,310.0 FWL & 660.0 FSL OF THE SVY, SEC 25, A-
 ELEVATION: 3,864.00 GR 3,876.00 RKB

CURRENT WELLBORE SCHEMATIC

PN: 890759 Chesapeake
 API: 3002528856
 SPUD DATE: 8/29/1984
 RIG RELEASE: 9/28/1984
 FIRST SALES:



**Edith Federal 1
30-025-28856
Chesapeake Operating, INC
October 6, 2009
Conditions of Approval**

- 1. Surface disturbance beyond the existing pad must have prior approval.**
- 2. Closed loop system required.**
- 3. 3M BOP is required and must be tested prior to setting CIBP over Bone Spring perforations.**
- 4. Contact BLM 575-361-2822 a minimum of 24 hours prior to setting CIBP above Bone Spring.**
- 5. Subsequent sundry and completion report required.**
- 6. Must submit a copy of the CBL to the BLM.**

MAK 100609