

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	☒
FILE	☒
U.S.G.S.	
LAND OFFICE	☒
OPERATOR	☒

OIL CONSERVATION DIVISION
RECEIVED P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

APR 24 '89

O. C. D.

5a. Indicate Type of Lease State ☒ Fee ☐
5. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Farm or Lease Name Seymour State Com.
9. Well No. 1
10. Field and Pool, or Wildcat Wildcat <i>Wolcamp</i>
12. County Chaves

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.)

OIL WELL ☐ GAS WELL ☒ OTHER ☐

Name of Operator

Yates Energy Corp. ☒

Address of Operator

1010 Sunwest Center, Roswell, New Mexico 88201

Location of Well

UNIT LETTER E 660 FEET FROM THE FWL LINE AND 1980' FEET FROM

THE FNL LINE, SECTION 18 TOWNSHIP 9-S RANGE 27-E NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)
3811.8 G.R.

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOB ☐

ALTERING CASING ☐
PLUG AND ABANDONMENT ☐

OTHER P&A Atoka, Perf. & Complete W.C. dual with Abo ☒

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- 1.) Abandon the Atoka zone by CIBP @5875+ K.B. with 35' cement on plug.
- 2.) Perforate and test Wolcamp at 5250' - 5342' K.B.
- 3.) If commercial run 4-point, extended flow test, pressure build up.
- 4.) Return to production as a dual well, Wolcamp & Abo gas well, using 2 strings of 2 1/16" tubing inside 5-1/2" casing using Baker Lok-Set (Bottom) and Baker Dual Snap set (top).
- 5.) File application for dual completed well.

Expected starting date of work ().

Notify N.M.O.C.C. in sufficient time to witness

Remedial Work

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

SIGNED Kathy E. Arally

TITLE Agent

DATE 4-20-89

Original Signed By
Mike Williams

SUPERVISOR, DISTRICT

APPROVED BY

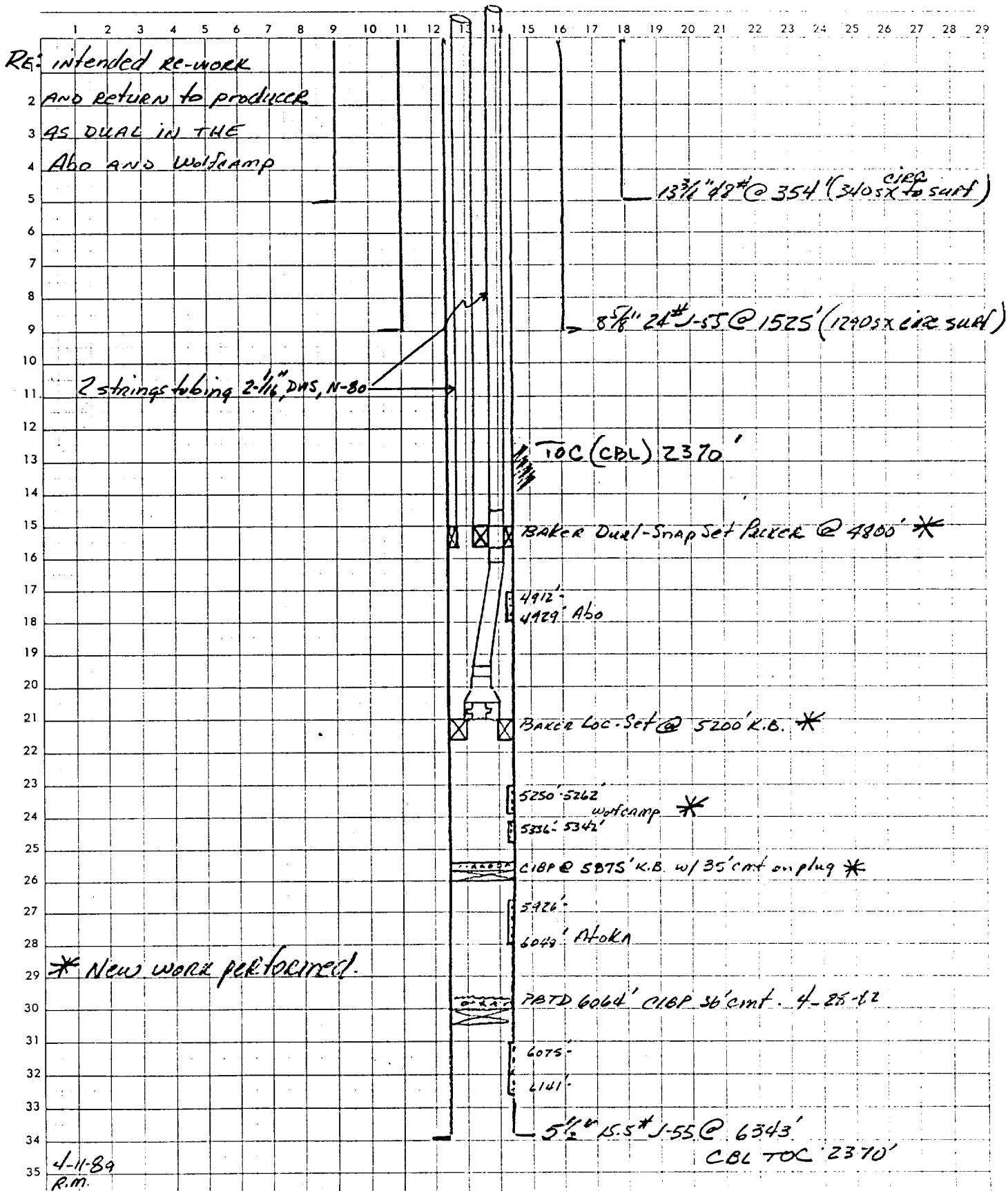
TITLE

DATE APR 25 1989

CONDITIONS OF APPROVAL, IF ANY:



YATES ENERGY CORP.
Seymour State Comm #1
CHAYES Co., TEXAS
Elev. 3811.8 G.L.



Yates Energy Corp.
Seymour State Com #1
1980 FNL 660 FWL
18-9S-27E Chaves Co., NM
KB 3822 TD 6385

05100

05200

05300

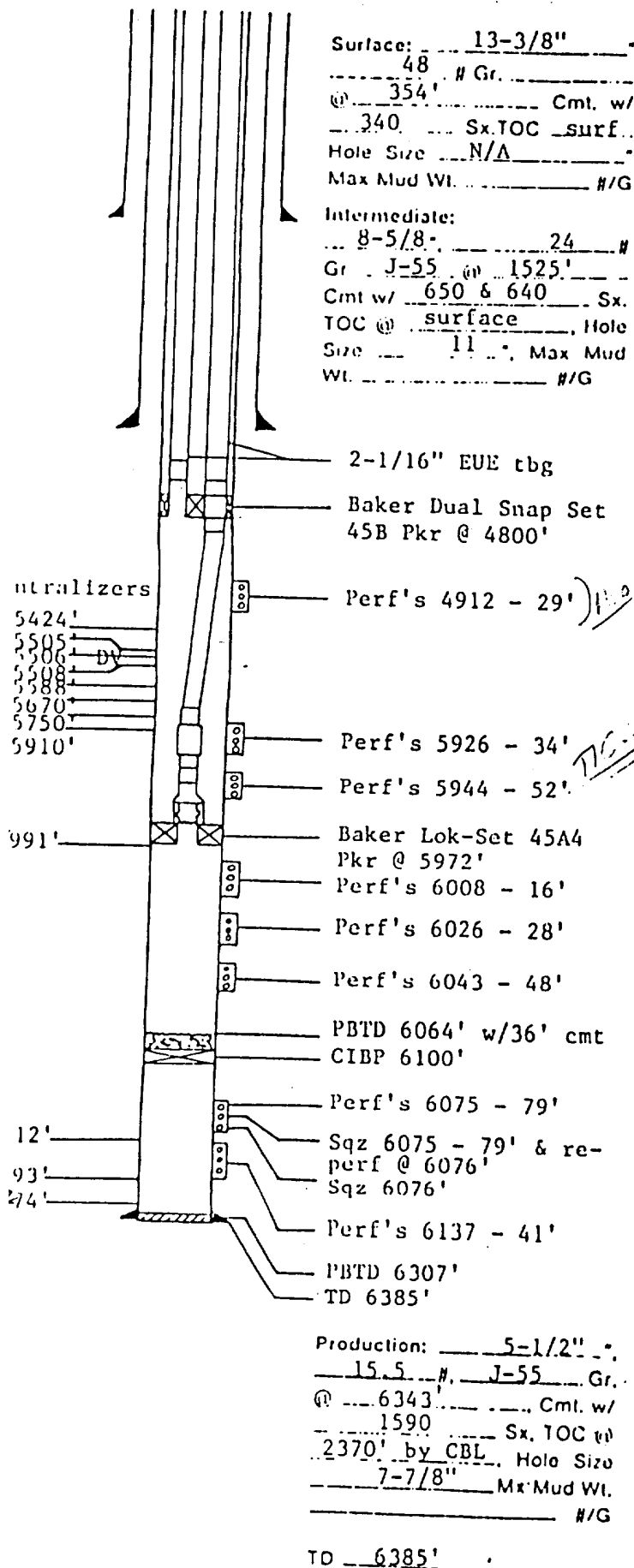
05400

05500

Jack,

HARVEY E. YATES COMPANY
Well History Summary Sheet

Operator Harvey E. Yates Co. Well Name & # Seymour State #1 Lease # Fee
District Roswell Made By Ray F. Nokes Date July 1, 1982
Location 660' FWL & 1980' FNL, Sec 18, T-9S, R-27E Chaves Co., NM
Spud Date 11-30-81 Compl. Date 6-11-82 TD 6385' PBD 6307' Original
Type Well: Oil Gas X Other (Dual) Field Wildcat
IP Zone
Perfs.: Abo: 4912 - 29' (OA) Atoka: 5826 - 6048' (OA) Total Holes
Stimulation See Well History below
Cumul. Oil MCF Water
Recent Test Lift Equipment
Misc. Elevation: 3811.8' GL Refer to CBL for TOC & Bond record.



WELL HISTORY

4-4-82 Perf's Miss (6075-79') w/2 spf
4-6-82 Acdz w/500 gals 20% MSR-100, Max press
2800#; Min press 2000#.
4-7-82 Re-acdz w/2400 gals 20% MSR-100, Max
press 2750#; Min press 2200#.
4-8-82 Run Tracer Surv to locate wtr source.
4-9-82 Sqz off perf's @ 6075-79' w/150 sx cmt
to 3000#. Wtr was coming fr 6081-91'.
Drlg out.
4-14-82 Perf'd Miss (1' inter) @ 6076' w/4 slots
& acdz w/500 gals 15% HCL. Max press
2650#, min press 1650#.
4-15-82 Re-acdz w/1000 gals 15% HCL. Max press
1200#, min press 800#. Swbd to flow @
218 MCF (35# on 1/2" ck).
4-17-82 Re-acdz w/2000 gals 28% Ne/Fe Acid on
vac. Swbg.
4-21-82 Sqz off perf's @ 6076' w/150 sx cmt to
3500#. Drlg out.
4-24-82 Perf'd Miss (6137-41') w/2 jsp. Swbg.
4-27-82 Acdz w/250 gals 20% MSR-100. Max press
2800#, min press 300#.
4-28-82 Set CIBP @ 6100' & dumped 36' cmt on
top. PBD @ 6064'.
4-29-82 Perf'd Atoka (6043-48') w/2 jsp. 13'
hr SITP @ 1750 psig.
5-1-82 Acdz w/500 gals 15% MSR-100. Max press
2500#, min press 1800#. Swbd to flow
@ 95# FTP on 5/16" ck. 230 MCF.
5-4-82 Re-acdz w/1500 gals 7-1/2% MSR-100. Max
press 4200#, min press 2000#.
5-5-82 SITP @ 1750 psi. Swbg & flwg.
5-6-82 SITP 1600 psi. Kill well w/3% KCL. POH
Perf'd Atoka (5926-34') (5944-52') &
(6008-16')
5-7-82 Guns did fire. (Thought they had not).
Swbg.
5-11-82 Acdz w/4000 gals 7-1/2% MSR-100. Max
press 3600#, min press 2700#. Swbg.
5-12-82 Ran Tracer Surv. Perf's fr 6043-48'
taking majority of fluid & RA material.
5-14-82 Perf'd Atoka (6026-28'-4 holes), POH.
GIH w/RTTS & RBP. Set RBP @ 6038' & RTTS
@ 5985'. Acdz fr 6008-28' w/2500 gals
15% Mod-202; brk dn @ 1600 psi. Max
press prior to ball out 3300#. ISIP
2500#, 5" 2300#. Move RBP to 5983' &
RTTS to 5890'. Acdz 5926-52' w/4000 gals
15% Mod-202; brk dn @ 1800#. (1800# +
hydrostatic wt of Mod-202 = 4573.3 psig
total press to brk dn perf's. (Max surf
press during trtmt 5000#, min press 3100#)
ISIP 2900#, 5" 2800#.

See attached page for continued report
of completion.

O'BRIANT ENGINEERING

P.O. Box 10487

Midland, Texas 79702

915-683-5511

915-683-3172

Mr. Fred Yates
YATES ENERGY CORPORATION
1010 Sunwest Centre
Roswell, New Mexico 88201

April 10, 1989

Re: WORKOVER PROCEDURE AND COST ESTIMATE
Atoka, Wolfcamp & Abo Zones
Seymore State Com. No. 1
Chaves County, New Mexico

Dear Mr. Yates:

The following procedure and cost estimate was prepared by Bill Baker as per your instructions to me. The basic premise is to plug-off the Atoka zones, perforate, treat and test the Wolfcamp through perforations 5,250'-5,262' KB and 5,336'-5,342' KB. The dual completion assembly will then be ran back into the hole and production initiated from the Abo and Wolfcamp zones.

Mike Williams, NMOCC, said an application for a dual Wolfcamp and Abo completion must be submitted; he will probably grant administrative approval. The proper forms giving notice of plugging the Atoka must also be submitted with a plugging report upon completion of the work. A packer leakage test is required; this can be accomplished at the same time as the four point test is taken.

The following procedure outlines the basic steps to accomplish the above objectives. A cost estimate follows each major section of the planned operations.

1. Move-in and rig-up pulling unit; set a clean 500 bbl. tank and fill with 3% KCl water.
2. Blow down both strings of tubing and casing; load both strings and annulus with KCL water.
3. Remove dual tree and install 7-1/16" by 3000 psig BOP with off-set rams.
4. Unseat short string stinger from top packer and trip out of hole; strap out.
5. Unseat top packer, unseat bottom packer and trip out of hole; strap out. Keep hole loaded with KCl water.
6. Run cast iron bridge plug and set at 5875'+\ - KB (above Atoka perforations). Dump 35 feet of cement on plug.

Cost Estimate: Step Nos. 1 through 6, Plug and Abandon Atoka

<u>Item</u>	<u>Amount</u>
Well Servicing Unit	\$2,600
Bridge plug and dump bailer service	2,500
Rental Equipment	500
Pump truck and water	700
Packer service and repair	2,500
Supervision	1,000
Miscellaneous	500
Total	\$10,300

7. Spot 250 gal. of 10% acetic acid at 5,342' KB.
8. Run correlation log (if necessary), perforate at 5,250' - 5262' and 5,336' - 5,342' K.B. with 6 shots per interval with a 4" Hyper-Charge III gun, top down.
9. Go in hole with a Baker Lok-set packer, four foot 2-3/8" sub, Baker EL receptacle with 1.5" profile, four joints of 2-1/16" DWS, N-80 tubing, four foot 2-3/8" EUE sub with radioactive marker and 2-1/16" tubing to place packer at appx. 5,200' KB; reverse circulate with 6 bbls. KCl water, space out and set packer - leave BOP on hole.
10. Displace acid.
11. Swab Swab and/or flow to test.
12. If necessary, treat perforations with 4000 gallons of MOD 202 acid in two stages with 9 balls between acid stages. Flush with 3% KCL water with Lo-Surf or another treatment based upon swab test results.
13. Flow back to pit and test.
14. Run blanking plug and set in profile nipple.
15. Load tubing with 3% KCL water, release tubing from on-off tool and trip out of hole.
16. Run on-off tool, plus or minus 250' of 2-1/16", DWS, N-80 tubing, four blast joints, 2 joints tubing, Baker dual snap-set packer and plus or minus 4800', 2-1/16" tubing. Space out, engage on-off tool and land tubing in hanger. Test tubing in hole to 6000 psig.
17. Run 2-1/16" short string, set in dual packer and land in hanger; test tubing in hole to 6000 psig.
18. Remove BOP and set dual tree.
19. Swab short string, flow and clean up.
20. Swab long string down to 4000' KB.
21. Equalize and pull blanking plug.
22. Flow remainder of tubing load to pit and shut in for forty-eight hours pressure build-up.
23. Run four point, extended flow test and pressure build up with bomb in hole to evaluate reservoir.
24. Run packer leakage test.

Note: If additional treating is necessary to obtain desired production, Halliburton has recommended 10,000 gallons of MOD 202 acid with the first 6000 gallons to be gelled and pumped at ten barrels per minute.

Cost Estimate: Step Nos. 7 thru 24 to re-complete in Wolfcamp, return to production as Wolfcamp and Abo dual.

Item	Amount
Well Servicing Unit: 9 Days	\$11,200
PDC & perforating	2,500
Acid Service	5,000
Packer service	1,000
Slick line service	1,600
Tubing testing	2,500
Rental Equipment	700
Four-point, flow and BHP testing	4,000
Supervision	5,000
Miscellaneous material and service	2,500
Total	\$36,000
Cumulative cost:	\$46,300

Workover Procedure & Cost Estimate
Atoka, Wolfcamp & Abo Zones
Seymore State No. 1
Chaves County, New Mexico

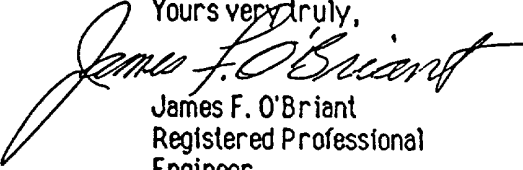
April 10, 1989

Page No. 3

Note: If additional stimulation (10,000 gal. MOD 202) is required, incremental cost will be increased by approximately \$ 18,000; cumulative cost would then be \$64,300.

Please advise if you need additional information or would like for us to secure firm bids for the various services listed above.

Yours very truly,

A handwritten signature in cursive script, appearing to read "James F. O'Brian".

James F. O'Brian
Registered Professional
Engineer

attachments
Log Section
Well Data Sheet

cc:
Bill Baker