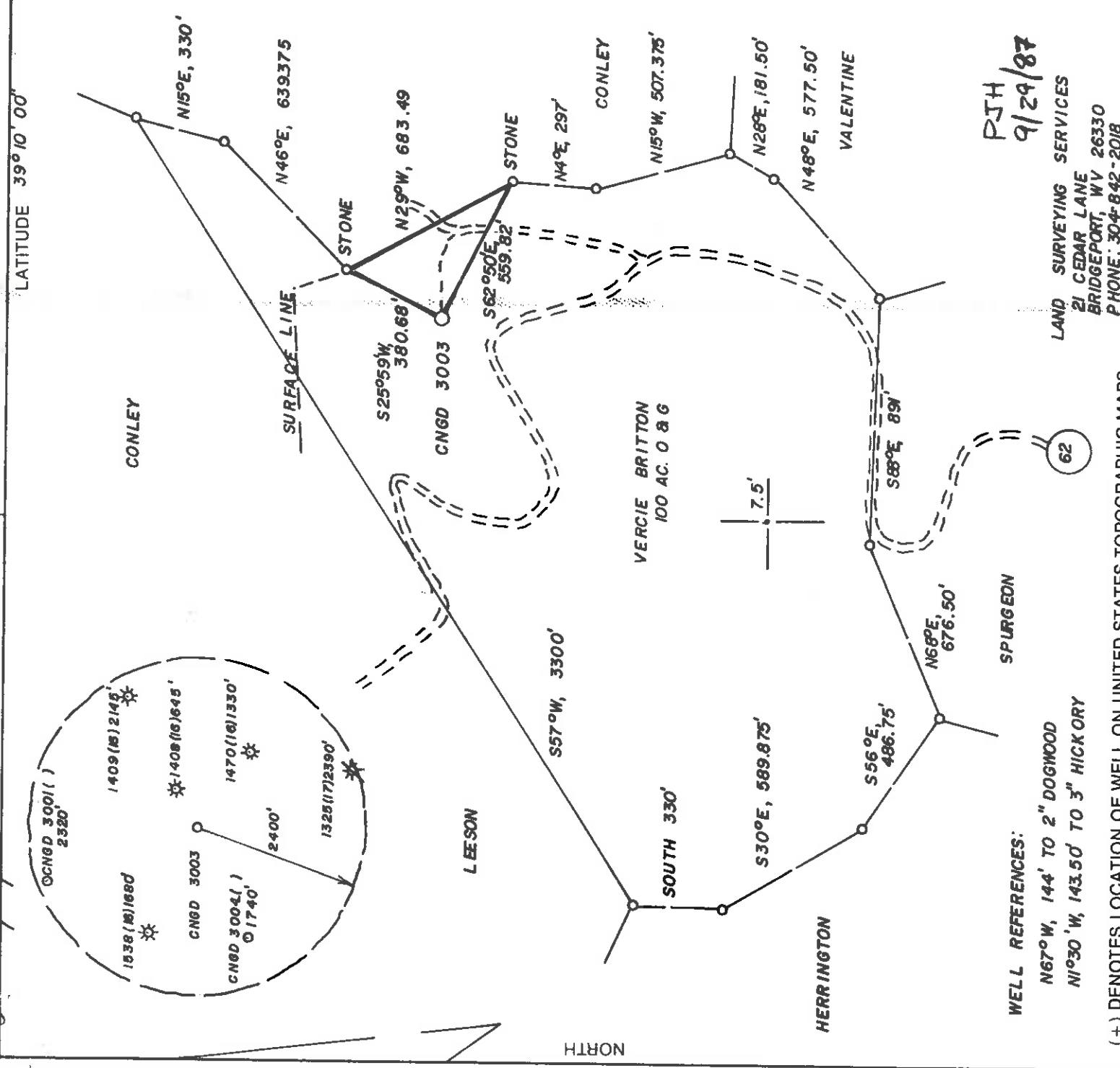


847B 10/19/87

LATITUDE 39°10'00" LONGITUDE 80°45'00" 11050'



RJH  
9/29/87

LAND SURVEYING SERVICES  
21 CEDAR LANE  
BRIDGEPORT, WV 26330  
PHONE: 304-842-2018

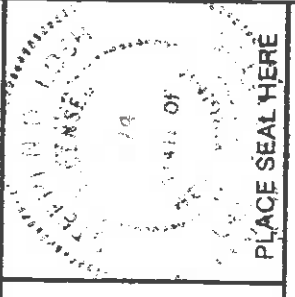
WELL REFERENCES:

N67°W, 144' TO 2" DOGWOOD  
N1°30'W, 143.50' TO 3" HICKORY

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 500'  
MINIMUM DEGREE OF ACCURACY 1/4 IN 200  
PROVEN SOURCE OF ELEVATION TOP OF KNOB 1190 SE. OF LOCATION AT ELEV. 1387.

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.  
(SIGNED) *[Signature]*  
R.P.E. \_\_\_\_\_ L.L.S. NO. 674  
STEPHEN D. LOSH



STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION



PLACE SEAL HERE

DATE AUGUST 29, 19 87  
OPERATOR'S WELL NO. CNGD 3003  
API WELL NO. \_\_\_\_\_

WELL TYPE: OIL GAS  LIQUID INJECTION WASTE DISPOSAL \_\_\_\_\_  
(IF "GAS,") PRODUCTION  STORAGE DEEP SHALLOW   
LOCATION: ELEVATION 1248' WATERSHED MIDDLE FORK  
DISTRICT COVE COUNTY DODDRIDGE  
QUADRANGLE OXFORD 7.5'

SURFACE OWNER JAMES F. WILLIS  
OIL & GAS ROYALTY OWNER VERCIE BRITTON, HRS. ACREAGE 43  
LEASE NO. DV 12911

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON  CLEAN OUT AND REPLUG \_\_\_\_\_  
TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5570'  
WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS  
ADDRESS ONE PARK RIDGE CENTER ADDRESS ROUTE 2, BOX 698  
PITTSBURGH, PA 15244 BRIDGEPORT, WV 26330

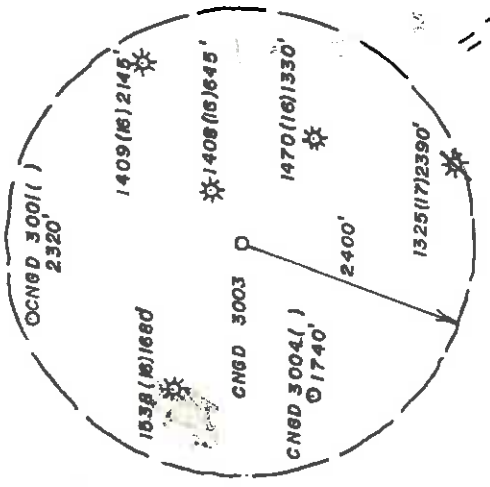
DODDRIDGE COUNTY NAME  
3604 PERMIT

47-017-3604  
CANCELED

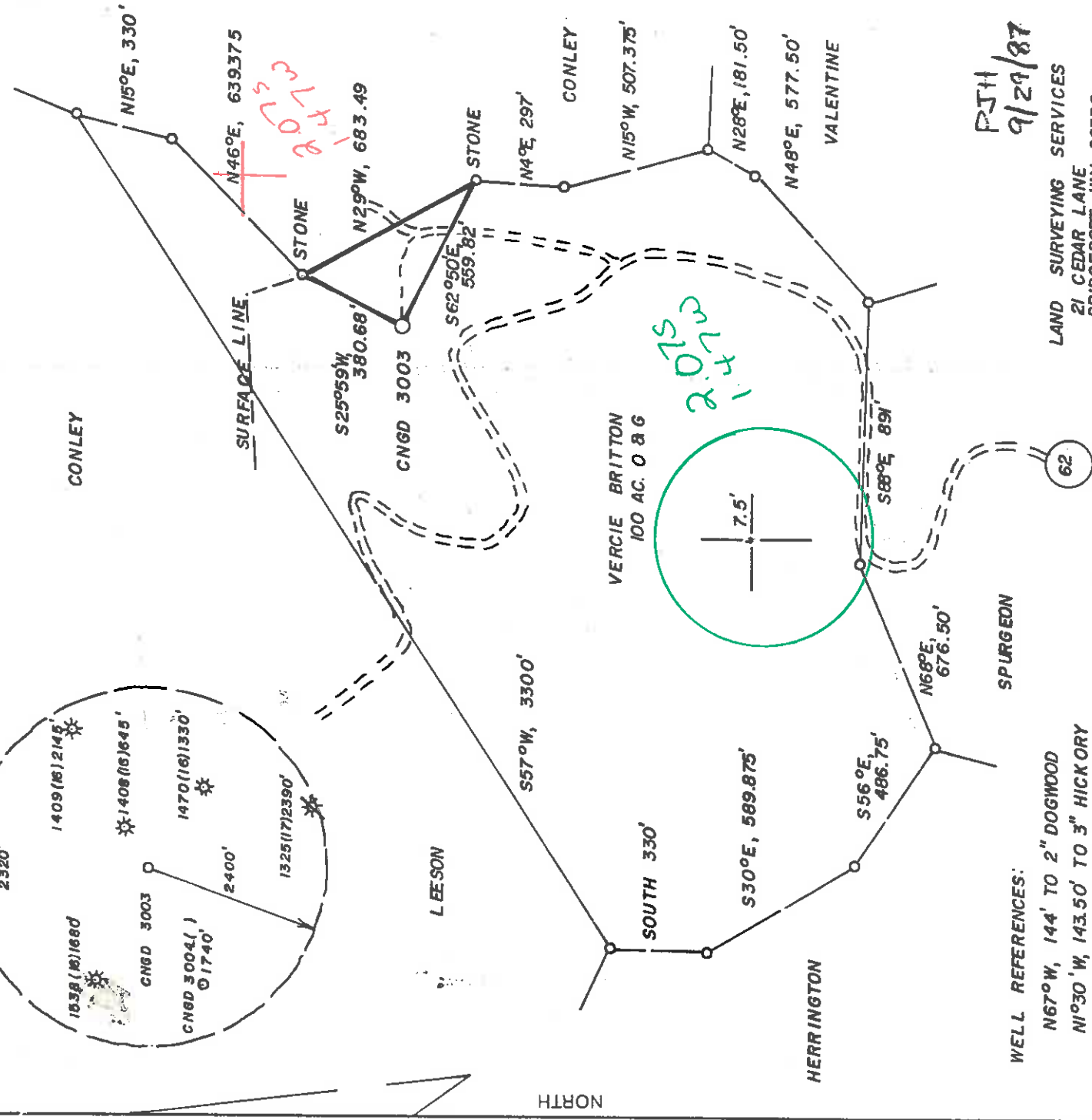
SEP 29 1989

8213 10/19/87

LATITUDE 39° 10' 00"  
LONGITUDE 80° 45' 00"  
1050'



7900'



RJH  
9/29/87

LAND SURVEYING SERVICES  
21 CEDAR LANE  
BRIDGEPORT, WV 26330  
PHONE: 304-842-2018

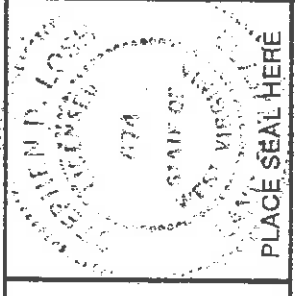
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FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
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MINIMUM DEGREE OF \_\_\_\_\_  
ACCURACY 1 IN 200  
PROVEN SOURCE OF \_\_\_\_\_  
ELEVATION TOP OF KNOB 1190' SE.  
OF LOCATION AT ELEV. 1387'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY  
(SIGNED) STEPHEN D. LOSH  
R.P.E. \_\_\_\_\_ L.L.S. NO. 674  
STEPHEN D. LOSH



STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION



DATE AUGUST 29, 19 87  
OPERATOR'S WELL NO. CNGD 3003  
API WELL NO. \_\_\_\_\_

47-017-3604

WELL TYPE: OIL \_\_\_\_\_ GAS \_\_\_\_\_ LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
(IF "GAS,") PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
LOCATION: ELEVATION 1248' WATER SHED MIDDLE FORK  
DISTRICT COVE 2 COUNTY DODD RIDGE  
QUADRANGLE OXFORD 75 526 058 866 ACREAGE 43  
OIL & GAS ROYALTY OWNER VERGIE BRITTON, HRS. \_\_\_\_\_ LEASE ACREAGE 100.  
LEASE NO. DV 12911

PROPOSED WORK: DRILL \_\_\_\_\_ CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5570'  
WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS  
ADDRESS ONE PARK RIDGE CENTER ADDRESS ROUTE 2, BOX 698  
PITTSBURGH, PA 15244 142 BRIDGEPORT, WV 26330

NOV 9 1987

COUNTY NAME

PERMIT

FORM NO. 10-87



FORM WM-2 (B) FILE COPY  
 RECEIVED  
 OCT 16 1987

1) Date: October 8, 19 87  
 2) Operator's Well No. CNGD 3003  
 3) API Well No. 47 017 3604  
 State County Permit



STATE OF WEST VIRGINIA  
 DIVISION OF OIL & GAS DEPARTMENT OF ENERGY, OIL AND GAS DIVISION  
 DEPARTMENT OF ENERGY APPLICATION FOR A WELL WORK PERMIT

4) WELL TYPE: A Oil  Gas   
 B (If "Gas", Production  Middle ground storage  Deep  Shallow   
 5) LOCATION: Elevation: 1248 Watershed: Middle Fork  
 District: Cove County: Doddridge 017 Quadrangle: Oxford 525  
 6) WELL OPERATOR: CNG Development Co CODE: 1010 7) DESIGNATED AGENT: Gary Nicholas  
 Address: c/o Cheryl S. Hartle P.O. Box 15746 Crosswind Corporate Park  
 Pittsburgh, PA 15244 Rt. 2, Box 698, Bridgeport, WV 26330  
 8) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Name: Mike Underwood 9) DRILLING CONTRACTOR:  
 Address: Route 2, Box 114 Name: Sam Jack Drilling Co.  
 Salem, WV 26426 P.O. Box 48  
 Buckhannon, WV 26201

10) PROPOSED WELL WORK: Drill  / deeper  / Redrill  / Stimulate   
 Plug off old formation  / Perforate new formation   
 Other physical change in well (specify): Alexander  
 11) GEOLOGICAL TARGET FORMATION, 5570 feet  
 12) Estimated depth of completed well, 5570 feet  
 13) Approximate trata depths: Fresh, salt, 1680 feet.  
 14) Approximate coal seam depths: 61 Is coal being mined in the area? Yes  No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft.	New	Used			For drilling
Conductor								
Fresh water	1.1-3/4	H-40	42	X		225	225	To surface By rule 15.05
Coal								Sizes
Intermediate	8-5/8	X-42	23	X		1800	1800	To surface By rule 15.05
Production	4-1/2	J-55	10.5	X		5570	5570	Depths set
Tubing	1-1/2	CN-55	2.75	X				By rule 15.01
Liners								Perforations:
								Top
								Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-017-3604 Date November 3 19 87

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof. November 3, 1989 unless well work is commenced prior to that date and prosecuted with due diligence. Permit expires

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Casing: <input checked="" type="checkbox"/>	Use: <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>
			234	
			2072	

NOTE: Keep one copy of this permit posted at the drilling location.

Director, Division of Oil and Gas

See the reverse side of the APPLICANT'S COPY for instructions to the well operator. File

11007

