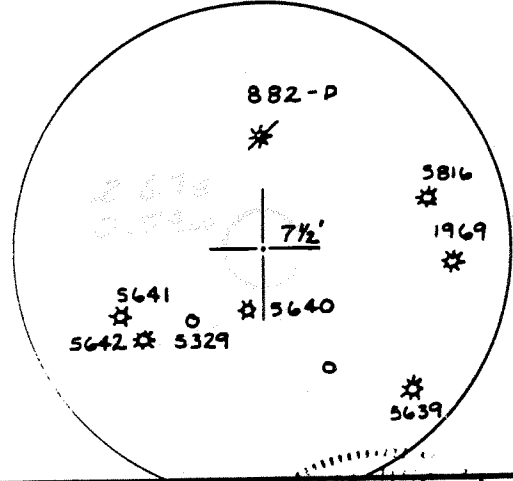
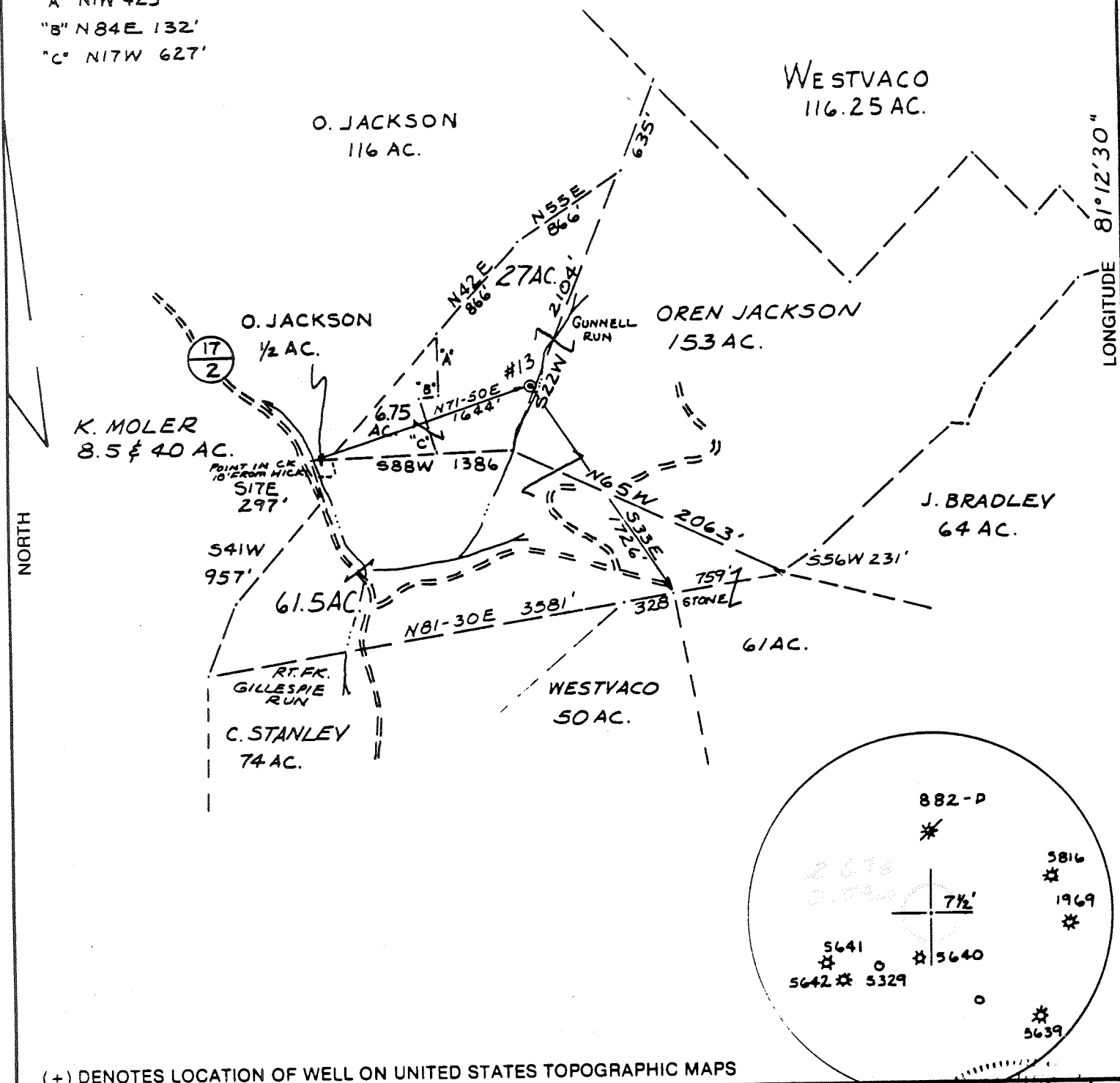


CALLS:  
 "A" NIW 425'  
 "B" N84E 132'  
 "C" N17W 627'



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

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION BM 668 RACY

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 MINES  
 (SIGNED) Neal Hughes  
 R.P.E. \_\_\_\_\_ L.L.S. 632



**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



DATE JUNE 20 19 83  
 OPERATOR'S WELL NO. JACKSON 13  
 API WELL NO. 47-085-6560  
 STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 768 WATERSHED GILLESPIE RUN  
 DISTRICT GRANT COUNTY RITCHIE  
 QUADRANGLE CAIRO 7 1/2' Harrisville 15'WC  
 SURFACE OWNER OREN JACKSON ACREAGE 150  
 OIL & GAS ROYALTY OWNER OREN JACKSON, OLIN JACKSON LEASE ACREAGE 150  
 LEASE NO. OD 575  
 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 MARCELLUS ESTIMATED DEPTH 5800'  
 WELL OPERATOR ALAN GABLE OIL DEVELOPMENT DESIGNATED AGENT RONALD KUDELLA  
 ADDRESS PO BOX 165 ADDRESS SAME  
DAVISVILLE, W.VA. 26142

FORM IV-6 (8-78)  
 H.T. HALL

COUNTY NAME  
 PERMIT

JUL 05 1983



1) Date: \_\_\_\_\_, 19\_\_\_\_  
 2) Operator's Well No. 13  
 3) API Well No. 47 085 6560  
 State County Permit

DRILLING CONTRACTOR:  
Alan Gable Oil Devel. Co.  
PO Box 166  
Danville, W. Va. 26142

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES, OIL AND GAS DIVISION  
OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil  / Gas   
 B (If "Gas", Production  / Underground storage  / Deep  / Shallow )
- 5) LOCATION: Elevation: 768 Watershed: Gillespie Run  
 District: Grant County: RITCHIE Quadrangle: Course
- 6) WELL OPERATOR Alan Gable Oil Devel. Co. 11) DESIGNATED AGENT Donald Kuder  
 Address PO Box 166 Address Danville, W. Va. 26142
- 7) OIL & GAS ROYALTY OWNER Open Jackson 1/3 12) COAL OPERATOR none  
 Address Rt 1 Address \_\_\_\_\_  
Petroleum, U. S. A. (See attached sheet for other)
- 8) SURFACE OWNER Open Jackson 13) COAL OWNER(S) WITH DECLARATION ON RECORD:  
 Address Rt 1 Name Open Jackson  
Petroleum, U. S. A. Address \_\_\_\_\_
- 9) FIELD SALE (IF MADE) TO: Name \_\_\_\_\_  
 Address \_\_\_\_\_
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED 14) COAL LESSEE WITH DECLARATION ON RECORD:  
 Name John H. ... Name \_\_\_\_\_  
 Address PO Box 66 Address \_\_\_\_\_  
PO Box 110, W. Va.
- 15) PROPOSED WORK: Drill  / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Fracture or stimulate \_\_\_\_\_  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
 Other physical change in well (specify) \_\_\_\_\_
- 16) GEOLOGICAL TARGET FORMATION, Marcelline Shale
- 17) Estimated depth of completed well, 2200 feet
- 18) Approximate water strata depths: Fresh, 150 feet; salt, 700 feet.
- 19) Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes \_\_\_\_\_ / No

20) 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	Left in well		
Conductor	11 7/8	155		X		350	350	CTS	Kinds <u>DV Kelly 1500</u>
Fresh water									Sizes
Coal									
Intermediate	5 7/8	105	10.2	X		900	900	TO NONE	Dep hs set <u>ad 1500</u>
Production	4 1/2	85	10.5	X			5200		<u>ad 1500</u>
Tubing									
Liners									Perforations: Top Bottom

- 21) EXTRACTION RIGHTS  
 Check and provide one of the following:  
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.  
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)
- 22) ROYALTY PROVISIONS  
 Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes  No
- If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.
- 23) Required Copies (See reverse side.)
- 24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.
- Notary: \_\_\_\_\_ Signed: Donald Kuder  
 My Commission Expires \_\_\_\_\_ Its: Agent

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-085-6560 Date June 29 83  
 19

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. 10) 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.)

Permit expires June 29, 1985 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
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