

HINCHMAN B UNIT

400 ACRES

WELL NUMBER

HINCHMAN B-2

HINCHMAN B-2
STATE PLANE
COORDINATES

(N) 279,424
(E) 1,725,277

N/P W.W. McDONALD LAND CO.

NORTH

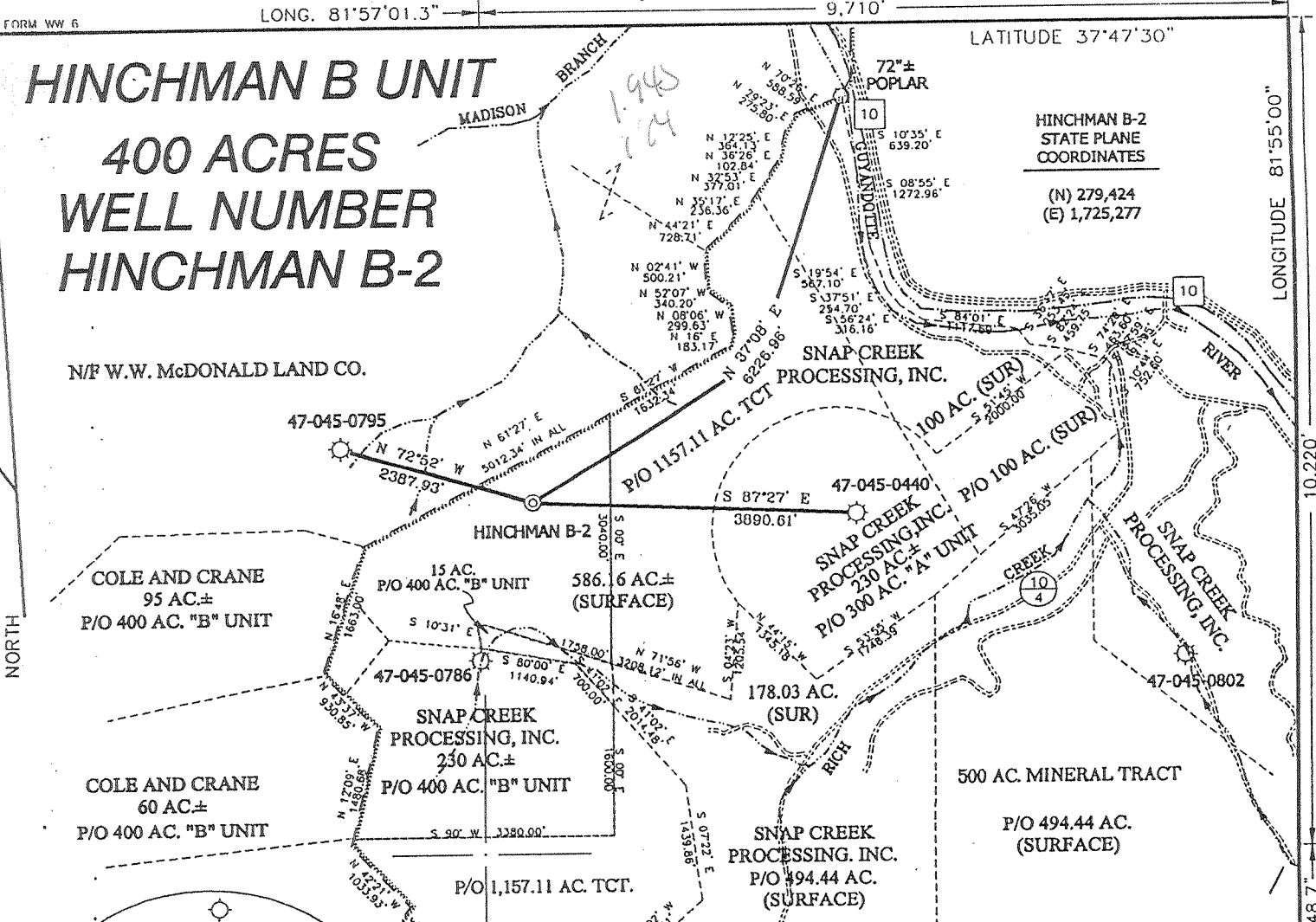
LONGITUDE 81°55'00"

10

10

COUNTY NAME

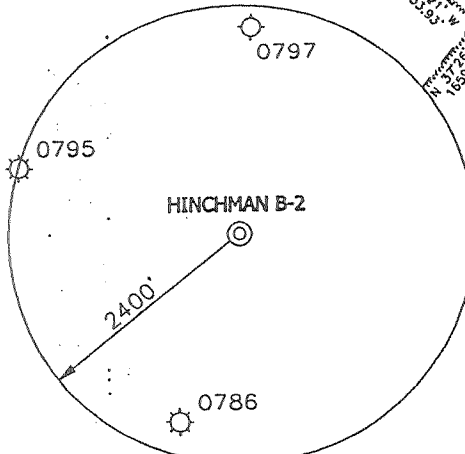
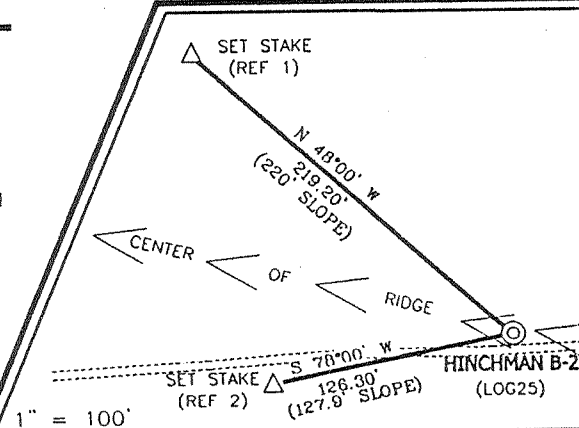
PERMIT



NOTES ON SURVEY

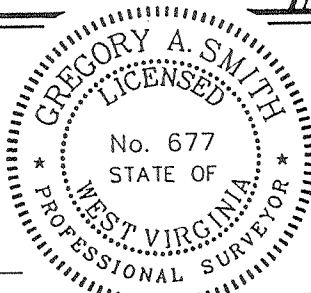
1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV SOUTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 2/19/99.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A DESCRIPTION RECORDED IN LEASE BOOK 15 PAGE 305 AND A PLAT RECORDED IN MAP BOOK 6 PAGE 144.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF LOGAN COUNTY IN MARCH, 1999.
5. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

REFERENCES



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.

P.S. 677 Gregory A. Smith



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

DATE APRIL 16, 19 99
 OPERATORS WELL NO. HINCHMAN B-2
 API WELL NO. 47-045-01330
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 4140PB2 (76-8)
 PROVEN. SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 838' SCALE 1" = 2000'

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS



WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1905' WATERSHED TRIBUTARY OF RICH CREEK
 DISTRICT TRIADELPHIA COUNTY LOGAN QUADRANGLE LOGAN 7.5'

SURFACE OWNER: SNAP CREEK PROCESSING, INC. ACREAGE 586.16 OF 1274.031
 ROYALTY OWNER BIG HUFF LAND COMPANY LEASE ACREAGE 230 OF 400 UNIT
 PROPOSED WORK: LEASE NO. 80562
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) U. Mottion, Big time TARGET FORMATION DEVONIAN SHALE
Weir, Berea, Gordon, & Shale ESTIMATED DEPTH 6200' (6675')

WELL OPERATOR BLAZER ENERGY CORPORATION DESIGNATED AGENT RICHARD SMELTZER
 ADDRESS P.O. BOX 2347 CHARLESTON, WV 25328 ADDRESS P.O. BOX 2347 CHARLESTON, WV 25328

DEEP WELL

C-6 273

JUN 07 1999

HINCHMAN B UNIT

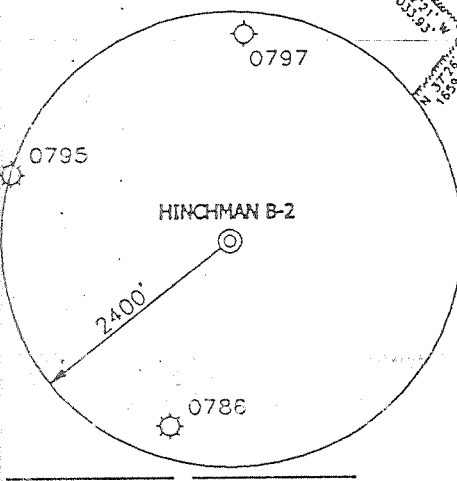
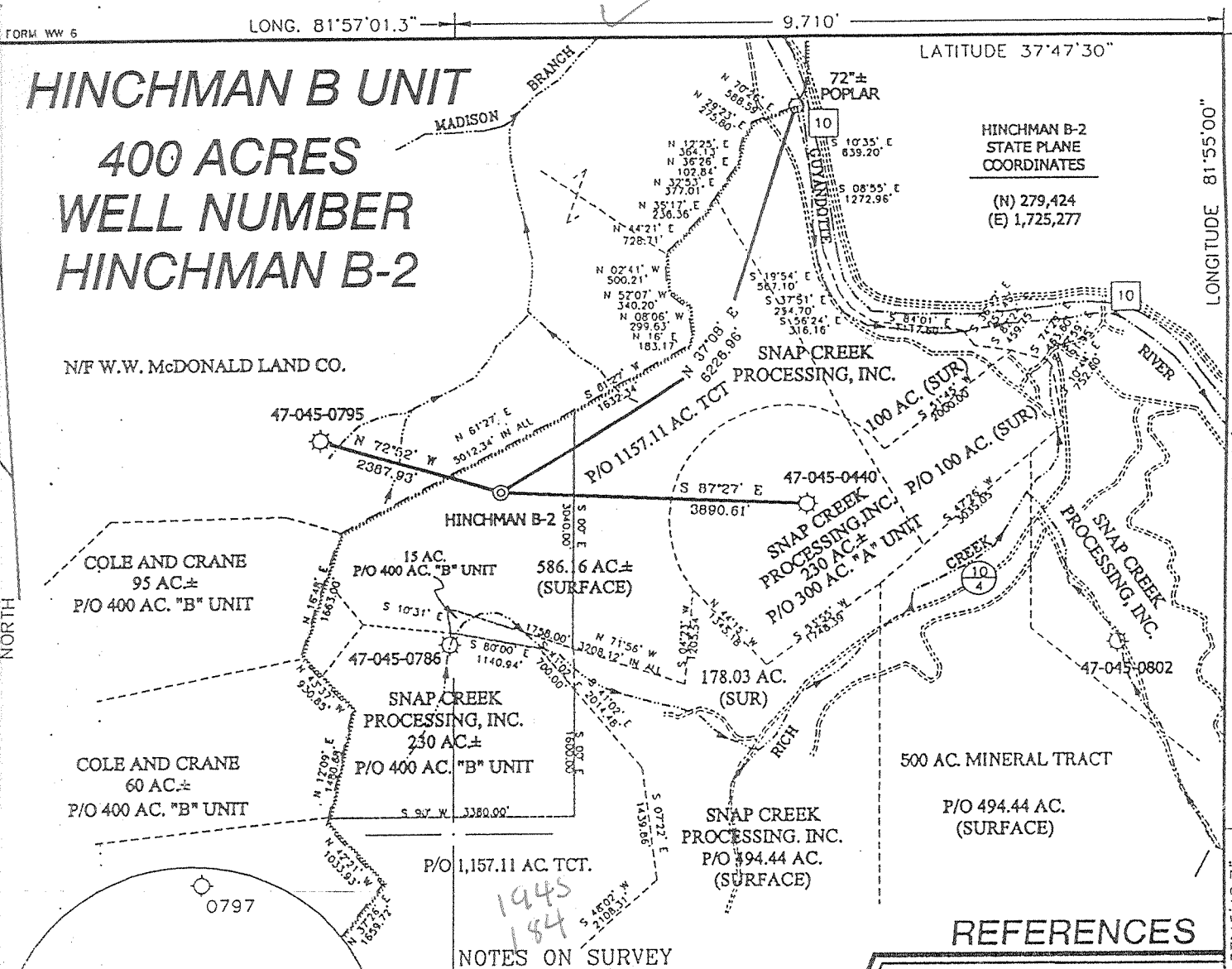
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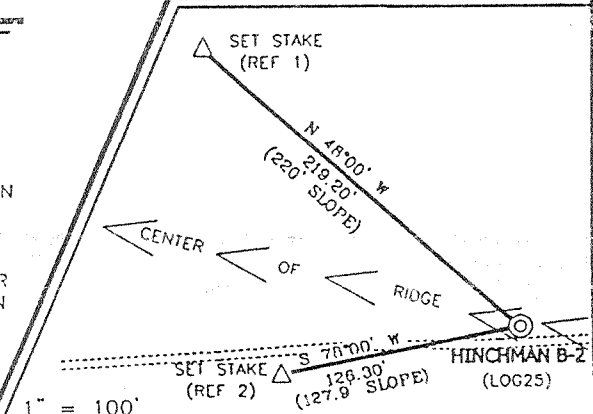
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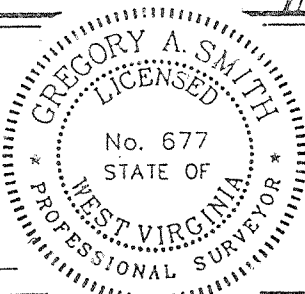
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P.S. Gregory A. Smith
677



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API WELL NO. 47-045-01330
STATE COUNTY PERMIT

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ESTIMATED DEPTH 6200'

WELL OPERATOR BLAZER ENERGY CORPORATION DESIGNATED AGENT RICHARD SMELTZER
ADDRESS P.O. BOX 2347 CHARLESTON, WV 25328 ADDRESS P.O. BOX 2347 CHARLESTON, WV 25328

LONGITUDE 81°55'18" 10.220' LAT. 37°45'48.7"

COUNTY NAME LOGAN PERMIT 1330

WR-35

RECEIVED
Office of Oil & Gas
Permitting
OCT 19 1999
WV Division of
Environmental Protection

26-May-99
API # 47- 045-01330

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Reviewed _____

Well Operator's Report of Well Work

Farm Name: SNAP CREEK PROCESSING INC.

Operator Well No.: HINCHMAN B-2

LOCATION: Elevation: 1,905.00 Quadrangle: LOGAN
District: TRIADELPHIA County: LOGAN
Latitude: 10220 Feet South of 37 DEG. 47 MIN. 30 SEC.
Longitude: 9710 Feet West of 81 DEG. 55 MIN. 0 SEC.

Company: BLAZER ENERGY CORPORATION
P.O. BOX 2347
CHARLESTON, WV 25328

Agent: Richard Smeltzer

Inspector: OFIE HELMICK
Permit Issued: 5/27/99
Well work commenced: 7/16/99
Well work completed: 8/12/99

Verbal Plugging
Permission granted on:
Rotary Rig X Cable Rig _____
Total Depth 6190 feet
Fresh water depths (ft) 169'

Salt water depths (ft) 1752', 1885'

Is coal being mined in area? _____
Coal Depths (ft): 839' & 1123'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13-3/8"	148'	148'	GRTD
9-5/8"	1204'	1204'	501 FT³
7"	2627'	2627'	510 FT³
4-1/2"	5539'	5539'	471 FT³
2-3/8"		5273'	

OPEN FLOW DATA M. Maxton See Reverse

Producing formation Dev. Shale/Maxton, Berea/Gordon, B. Lime/Weir Pay Zone Depth (ft): _____

Gas: Initial open flow 103 MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow: 496 MCF/d Final open flow: _____
 Time of open flow between initial and final tests _____ Hours
 Static rock pressure 200 psig (surface pressure) after _____ Hours

Second producing formation _____ Pay Zone Depth (ft): _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow: _____ MCF/d Final open flow: _____
 Time of open flow between initial and final tests _____ Hours
 Static rock pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBC

For: BLAZER ENERGY CORPORATION

By: Barbara A. Hubbard Admin. Assis.
Date: 10/12/99

LOG 1330

NOV 1 1999

EASTERN STATES OIL & GAS, INC.
WR-35 COMPLETION REPORT - Attachment
Well Treatment Summary

Well: HINCHMAN B-2

API# 47-045-01330

Date	8/6/99	8/6/99	8/6/99	8/7/99	
Type Frac					Office of Oil & Gas Permitting
Acid, N ₂ , Foam, Water	N ²	N ²	Acid/N ²	75 Q Foam	OCT 19 1999
Zone Treated	D. Shale	Berea/Gordon	Big Lime/Weir	M. Maxton	WV Division of Environmental Protection
# Perfs	38	20	26	37	
From - To:	4550-5341	3929-4140	3186-3439	2866-2884	
BD Pressure @ psi	2860	3720	1543	1984	
ATP psi	2689	2763	2700	2678	
Avg. Rate, B=B/M, S= SCF/M	50,153 S	48,314 S	50,000 S	11,516 S 20 B Foam	
Max. Treat Press psi	3517	4020	2937	2898	
ISIP psi	2500	3200	58	890	
Frac Gradient	.60	.91	.46	.74	
10 min S-I Pressure	1691 (5 min)	1923 (5 min)	1130 (5 min)	2380	
Material Volume					
Sand-sks				495	
Water-bbl	10.7	1.8	5	213	
SCF N ₂	1,114,919	562,602	377,000		
Acid-gal	750 gal 7.5%	500 gal 15.3%	3000 gal 15.3%	500 gal 15.3%	

NOTES:

Formation Record

TOP	BOTTOM	FORMATION	Remarks
0	120	Fill	
120	130	Formation	
130	225	Sand	¼ stream water @ 169'
225	740	Sand Shale	
740	760	R.R.	
760	839	Sand Shale	
839		Open Mine	Open Mine 839-844'
844	955	Sand	
955		Coal	
960	1063	Sand Shale	
1063		Coal	
1065	1123	Sand Shale	
1123		Open Mine	Open Mine 1123-1126'
1126	1140	Sand Shale	
1140		Coal	
1143	1622	Sand Shale	
1622	2422	Salt Sand	Hole damp @ 1752'
2825	2886	M. Maxton	GT 2526'=NS, Damp @ 2782'
2984	3038	L. Maxton	GT 2938'=NS,3003'=NS
3056	3114	L. Lime	
3114	3351	B. Lime	GT 3116'=NS
3430	3567	Weir	GT 3375'=NS,3653=NS
3892	3920	Sunbury	
3920	3940	Berea	GT 3938'=NS
3940	4967	U. Huron	GT 3992' & 4148'=NS,4514'=odor
4059		Gordon	
4967	5350	L. Huron	GT 5105'=NS
5350	5487	Java	

045 1330

5487
5711
5906
6200

5711 Angola
5906 Rhinestreet
Onondaga
TD

GT @ 5824'=20/10-2"=189 mcf

GT 6/10-2"=103 mcf

LOG 1330

NOV 1 1990